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The values in this file are used for configuring Explicit Messages in the PLC which read
or write data to/from various device types over DeviceNet or Ethernet I/P.  This file
contains the Class, Instance, and Attribute values needed to configure an explicit
message. Be sure to reference the correct section of this document that corresponds to
the device you are trying to communicate with.  Note that some parameters in the list
may not actually be available, depending on the device options (i.e. DeviceNet, Profibus,
Ethernet, etc).  Additionally, not all features are available at all firmware revisions.


D A T A   T Y P E S
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INT8 - Signed Integer - 8 bit value
UNIT8 - Unsigned Integer - 8 bit value
INT - Signed Integer - 16 bit value
UINT - Unsigned Integer - 16 bit value
INT16 - Signed Integer - 16 bit value
UINT16 - Unsigned Integer - 16 bit value
DINT - Signed Integer - 32 bit value
UDINT - Unsigned Integer - 32 bit value
INT32 - Signed Integer - 32 bit value
UINT32 - Unsigned Integer - 32 bit value
WORD - Bitmap - 16 bit value
DWORD - Bitmap - 32 bit value
STRING:XX - String of ASCII characters of XX length, padded with white space(s)
BOOL - 16 bit BOOLean value
BOOL: 0 = Disabled, off, no, false
      1 = Enabled, on, yes, true is NOT 0 (either 1 or -1)
SOURCE - 16 bit boolean value
DEST - 16 bit boolean value
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Parameters for: EP-P and EP-PDN

Class	Instance	Attribute	Data Type	Data Type
1(01h)	1	1(01h)	UINT16	Devicenet.DeviceNetIdentityObject.VendorId
1(01h)	1	2(02h)	UINT16	Devicenet.DeviceNetIdentityObject.DeviceType
1(01h)	1	3(03h)	UINT16	ProductRevInfo.ProductSubGroup
1(01h)	1	4(04h)	STRING:4	ProductRevInfo.ModuleFirmwareRevision
1(01h)	1	5(05h)	UINT16	Devicenet.DeviceNetIdentityObject.DeviceStatus
1(01h)	1	6(06h)	STRING:16	ProductRevInfo.ModuleSerialNumber
1(01h)	1	10(0Ah)	UINT16	Devicenet.DeviceNetIdentityObject.HeartbeatInterval
3(03h)	1	1(01h)	UINT16	Devicenet.DeviceNetObject.MacID
3(03h)	1	2(02h)	UINT16	Devicenet.DeviceNetObject.BaudRate
3(03h)	1	3(03h)	BOOL	Devicenet.DeviceNetObject.BusOffInterrupt
3(03h)	1	4(04h)	UINT16	Devicenet.DeviceNetObject.BusOffCounter
100(64h)	1	1(01h)	UINT16	MotorAxis.DriveAmbientTemp
100(64h)	1	3(03h)	UINT16	MotorAxis.LineVoltage
100(64h)	1	4(04h)	UINT16	MotorAxis.MotorType
100(64h)	1	5(05h)	STRING:12	MotorAxis.Name
100(64h)	1	6(06h)	UINT16	MotorAxis.PositiveDirection
100(64h)	1	7(07h)	BOOL	DriveOutputEncoder.ScalingEnable
100(64h)	1	8(08h)	UINT16	DriveOutputEncoder.Scaling
100(64h)	1	11(0Bh)	UINT16	Modbus.BaudRate
100(64h)	1	12(0Ch)	UINT16	MotorAxis.SwitchingFrequency
101(65h)	1	1(01h)	UINT16	EncoderOutput.Source
101(65h)	1	2(02h)	UINT16	MasterAccelUnits.Decimal
101(65h)	1	3(03h)	STRING:12	MasterAccelUnits.Name
101(65h)	1	4(04h)	UINT32	MasterDistUnits.CharacteristicDistance
101(65h)	1	5(05h)	UINT16	MasterDistUnits.Counts
101(65h)	1	6(06h)	UINT16	MasterDistUnits.Decimal
101(65h)	1	7(07h)	STRING:12	MasterDistUnits.Name

101(65h)	1	12(0Ch)	DEST	MasterAxis.DefineHome
101(65h)	1	13(0Dh)	INT32	MasterAxis.DefineHomePosn
101(65h)	1	15(0Fh)	INT32	MasterAxis.PosnFeedbackInCounts
101(65h)	1	17(11h)	UINT16	MasterAxis.Polarity
101(65h)	1	18(12h)	INT32	MasterAxis.PosnFeedback
101(65h)	1	21(15h)	BOOL	MasterAxis.RotaryRolloverEnable
101(65h)	1	22(16h)	UINT32	MasterAxis.RotaryRolloverPosn
101(65h)	1	23(17h)	UINT16	MasterAxis.Source
101(65h)	1	25(19h)	INT32	MasterAxis.VelFeedback
101(65h)	1	27(1Bh)	UINT16	MasterVelUnits.Decimal
101(65h)	1	28(1Ch)	STRING:12	MasterVelUnits.Name
101(65h)	1	29(1Dh)	SOURCE	MasterAxis.EncoderMarker
101(65h)	1	30(1Eh)	UINT16	MasterAxis.VelocityFilterBandwidth
101(65h)	1	31(1Fh)	DEST	MasterAxis.UndefineHome
101(65h)	1	32(20h)	BOOL	MasterAxis.EnableFilter
101(65h)	1	33(21h)	UINT16	MasterAxis.FilterSamples
101(65h)	1	35(23h)	BOOL	MasterAxis.FeedforwardsEnable
101(65h)	1	36(24h)	SOURCE	MasterAxis.AbsolutePosnValid
101(65h)	1	37(25h)	UINT16	MasterAxis.Interpretation
101(65h)	1	38(26h)	UINT16	MotorAxis.DriveInputSignal
101(65h)	1	39(27h)	INT32	MasterDistUnits.CustomVarScalingDenominator
102(66h)	1	1(01h)	DEST	MotorAxis.DefineHome
102(66h)	1	2(02h)	INT32	MotorAxis.DefineHomePosn
102(66h)	1	3(03h)	BOOL	MotorAxis.FollowingErrorEnable
102(66h)	1	4(04h)	INT32	MotorAxis.PosnFeedbackInCounts
102(66h)	1	5(05h)	INT32	MotorAxis.FollowingError
102(66h)	1	6(06h)	UINT32	MotorAxis.FollowingErrorLimit
102(66h)	1	7(07h)	SOURCE	MotorAxis.InPosn
102(66h)	1	8(08h)	UINT16	MotorAxis.InPosnTime
102(66h)	1	9(09h)	UINT32	MotorAxis.InPosnWindow
102(66h)	1	10(0Ah)	INT32	MotorAxis.PosnCommand
102(66h)	1	11(0Bh)	INT32	MotorAxis.PosnFeedback
102(66h)	1	12(0Ch)	BOOL	MotorAxis.RotaryRolloverEnable
102(66h)	1	13(0Dh)	UINT32	MotorAxis.RotaryRolloverPosn
102(66h)	1	15(0Fh)	BOOL	MotorAxis.SoftwareTravelLimitEnable
102(66h)	1	16(10h)	SOURCE	MotorAxis.SoftwareTravelLimitMinusActive
102(66h)	1	17(11h)	INT32	MotorAxis.SoftwareTravelLimitMinusPosn
102(66h)	1	18(12h)	SOURCE	MotorAxis.SoftwareTravelLimitPlusActive
102(66h)	1	19(13h)	INT32	MotorAxis.SoftwareTravelLimitPlusPosn
102(66h)	1	20(14h)	SOURCE	MotorAxis.TravelLimitMinusActive
102(66h)	1	21(15h)	SOURCE	MotorAxis.TravelLimitPlusActive
102(66h)	1	22(16h)	UINT16	DistUnits.CharacteristicLength
102(66h)	1	23(17h)	UINT16	DistUnits.Decimal
102(66h)	1	24(18h)	STRING:12	DistUnits.Name
102(66h)	1	25(19h)	DEST	MotorAxis.ClearFollowingError
102(66h)	1	26(1Ah)	DEST	MotorAxis.TravelLimitMinusActivate
102(66h)	1	27(1Bh)	DEST	MotorAxis.TravelLimitPlusActivate
102(66h)	1	28(1Ch)	UINT32	DistUnits.CharacteristicDistance
102(66h)	1	29(1Dh)	DEST	MotorAxis.TravelLimitDisable
102(66h)	1	30(1Eh)	DEST	MotorAxis.UndefineHome

102(66h)	1	31(1Fh)	SOURCE	MotorAxis.EncoderMarker
102(66h)	1	32(20h)	SOURCE	MotorAxis.AbsolutePosnValid
103(67h)	1	1(01h)	SOURCE	MotorAxis.AtVel
103(67h)	1	2(02h)	SOURCE	MotorAxis.CommandingMotion
103(67h)	1	3(03h)	UINT16	MotorAxis.FeedRateOverride
103(67h)	1	7(07h)	UINT16	MotorAxis.OverspeedVel
103(67h)	1	8(08h)	INT32	MotorAxis.VelCommand
103(67h)	1	9(09h)	INT32	MotorAxis.VelFeedback
103(67h)	1	10(0Ah)	SOURCE	MotorAxis.VelLimitActive
103(67h)	1	11(0Bh)	UINT16	VelocityUnits.Decimal
103(67h)	1	12(0Ch)	UINT32	VelocityUnits.DistVelScale
103(67h)	1	13(0Dh)	BOOL	VelocityUnits.ScalingEnable
103(67h)	1	14(0Eh)	STRING:12	VelocityUnits.Name
103(67h)	1	15(0Fh)	UINT16	VelocityUnits.TimeScale
103(67h)	1	16(10h)	DEST	MotorAxis.FeedRateDeactivate
103(67h)	1	17(11h)	UINT16	MotorAxis.FeedRateDecelerationTime
104(68h)	1	1(01h)	UINT16	AccelUnits.Decimal
104(68h)	1	2(02h)	BOOL	AccelUnits.InvertAccel
104(68h)	1	3(03h)	STRING:12	AccelUnits.Name
104(68h)	1	4(04h)	UINT16	AccelUnits.TimeScale
104(68h)	1	5(05h)	SOURCE	MotorAxis.Accelerating
104(68h)	1	6(06h)	UINT16	MotorAxis.AccelType
104(68h)	1	7(07h)	SOURCE	MotorAxis.Decelerating
104(68h)	1	8(08h)	DEST	MotorAxis.Feedhold
104(68h)	1	9(09h)	UINT16	MotorAxis.FeedholdDecelTime
104(68h)	1	10(0Ah)	DEST	MotorAxis.Stop
104(68h)	1	11(0Bh)	UINT32	MotorAxis.StopDecel
104(68h)	1	12(0Ch)	UINT32	MotorAxis.TravelLimitDecel
104(68h)	1	13(0Dh)	DEST	MotorAxis.MotionStop
104(68h)	1	14(0Eh)	BOOL	MotorAxis.AutoCalcRampsEnable
105(69h)	1	1(01h)	SOURCE	MotorAxis.FoldbackActive
105(69h)	1	2(02h)	UINT16	MotorAxis.FoldbackRMS
105(69h)	1	4(04h)	INT32	MotorAxis.TorqueCommand
105(69h)	1	5(05h)	INT32	MotorAxis.TorqueCommandLimited
105(69h)	1	6(06h)	INT32	MotorAxis.TorqueFeedback
105(69h)	1	7(07h)	UINT32	MotorAxis.TorqueLevel
105(69h)	1	8(08h)	SOURCE	MotorAxis.TorqueLevelActive
105(69h)	1	9(09h)	UINT32	MotorAxis.TorqueLimit
105(69h)	1	10(0Ah)	SOURCE	MotorAxis.TorqueLimitActive
105(69h)	1	11(0Bh)	DEST	MotorAxis.TorqueLimitEnable
105(69h)	1	12(0Ch)	UINT16	TorqueUnits.Decimal
105(69h)	1	13(0Dh)	STRING:12	TorqueUnits.Name
105(69h)	1	14(0Eh)	UINT16	TorqueUnits.PercentContinuousCurrent
105(69h)	1	15(0Fh)	UINT32	TorqueUnits.Torque
105(69h)	1	16(10h)	UINT16	MotorAxis.BusVoltage
106(6Ah)	1	1(01h)	BOOL	MotorAxis.FeedforwardsEnable
106(6Ah)	1	2(02h)	BOOL	MotorAxis.ObserverEnable
106(6Ah)	1	3(03h)	BOOL	MotorAxis.PosnIntegralEnable
106(6Ah)	1	4(04h)	UINT16	MotorAxis.Friction
106(6Ah)	1	5(05h)	UINT16	MotorAxis.Inertia

106(6Ah)	1	6(06h)	BOOL	MotorAxis.LowPassFilterEnable
106(6Ah)	1	7(07h)	UINT16	MotorAxis.LowPassFilterFrequency
106(6Ah)	1	10(0Ah)	UINT16	MotorAxis.PosnErrorIntegralTimeConst
106(6Ah)	1	11(0Bh)	UINT16	MotorAxis.Response
106(6Ah)	1	12(0Ch)	INT16	MotorAxis.CommutationAngleCorrection
106(6Ah)	1	13(0Dh)	UINT16	MotorAxis.CommutationTrackAngle
106(6Ah)	1	14(0Eh)	INT16	MotorAxis.CommutationVoltage
107(6Bh)	1	1(01h)	UINT32	Fault.FaultBitmap1
107(6Bh)	1	2(02h)	BOOL	Fault.EncoderStateFaultEnable
107(6Bh)	1	3(03h)	SOURCE	Fault.Faulted
107(6Bh)	1	4(04h)	UINT32	Fault.FaultBitmap2
107(6Bh)	1	5(05h)	DEST	Fault.Reset
107(6Bh)	1	6(06h)	BOOL	Fault.LowDCBusFaultEnable
107(6Bh)	1	7(07h)	BOOL	Fault.ClearNonCriticalFaultCounts
107(6Bh)	1	8(08h)	BOOL	FaultLog.ClearLog
107(6Bh)	1-10(0Ah)	10(0Ah)	UINT16	DriveFaultLog.#.FaultType
107(6Bh)	1-10(0Ah)	11(0Bh)	UINT16	DriveFaultLog.#.PowerUpCount
107(6Bh)	1-10(0Ah)	12(0Ch)	UINT32	DriveFaultLog.#.PowerUpTime
107(6Bh)	1	13(0Dh)	BOOL	Fault.CommutationHardwareFaultEnable
107(6Bh)	1	14(0Eh)	BOOL	Fault.CommutationFaultEnable
108(6Ch)	1-64(40h)	1(01h)	SOURCE	Fault.#.Active
108(6Ch)	1-64(40h)	2(02h)	UINT16	Fault.#.Counts
108(6Ch)	1-64(40h)	3(03h)	UINT16	Fault.#.SubFault
108(6Ch)	1-10(0Ah)	4(04h)	UINT16	FaultLog.#.FaultType
108(6Ch)	1-10(0Ah)	5(05h)	UINT16	FaultLog.#.PowerUpCount
108(6Ch)	1-10(0Ah)	6(06h)	UINT32	FaultLog.#.PowerUpTime
108(6Ch)	1-10(0Ah)	7(07h)	UINT16	FaultLog.#.SubFault
108(6Ch)	1-10(0Ah)	8(08h)	BOOL	FaultLog.#.ValidEntry
109(6Dh)	1-8(08h)	1(01h)	UINT16	PLS.#.Direction
109(6Dh)	1-8(08h)	2(02h)	INT32	PLS.#.OffPosn
109(6Dh)	1-8(08h)	4(04h)	INT32	PLS.#.OnPosn
109(6Dh)	1-8(08h)	6(06h)	DEST	PLS.#.PLSEnable
109(6Dh)	1-8(08h)	7(07h)	BOOL	PLS.#.RotaryRolloverEnable
109(6Dh)	1-8(08h)	8(08h)	UINT32	PLS.#.RotaryRolloverPosn
109(6Dh)	1-8(08h)	10(0Ah)	UINT16	PLS.#.Source
109(6Dh)	1-8(08h)	11(0Bh)	SOURCE	PLS.#.Status
110(6Eh)	1	1(01h)	DEST	Selector.SelectorInitiate
111(6Fh)	1-8(08h)	1(01h)	DEST	Selector.#.Select
112(70h)	1-256(00h)	1(01h)	SOURCE	Selector.#.Selection
113(71h)	1-15(0Fh)	1(01h)	BOOL	DriveInput.#.Debounced
113(71h)	1-15(0Fh)	2(02h)	UINT16	DriveInput.#.DebounceTime
113(71h)	1-15(0Fh)	3(03h)	BOOL	DriveInput.#.Force
113(71h)	1-15(0Fh)	4(04h)	BOOL	DriveInput.#.ForceEnable
113(71h)	1-15(0Fh)	5(05h)	BOOL	DriveInput.#.Raw
113(71h)	1-15(0Fh)	6(06h)	SOURCE	DriveInput.#.Status
113(71h)	1	7(07h)	UINT32	DriveInput.InputsBitMap
115(73h)	1-8(08h)	1(01h)	DEST	DriveOutput.#.State
115(73h)	1-8(08h)	2(02h)	BOOL	DriveOutput.#.Force
115(73h)	1-8(08h)	3(03h)	BOOL	DriveOutput.#.ForceEnable
115(73h)	1	4(04h)	UINT32	DriveOutput.OutputsBitMap

117(75h)	1	1(01h)	SOURCE	Home.AnyCommandComplete
118(76h)	1	1(01h)	SOURCE	Home.#.Accelerating
118(76h)	1	2(02h)	UINT32	Home.#.Accel
118(76h)	1	3(03h)	SOURCE	Home.#.AtVel
118(76h)	1	4(04h)	UINT16	Home.#.OnSensorAction
118(76h)	1	5(05h)	INT32	Home.#.CalculatedOffset
118(76h)	1	6(06h)	SOURCE	Home.#.CommandComplete
118(76h)	1	7(07h)	SOURCE	Home.#.CommandInProgress
118(76h)	1	8(08h)	SOURCE	Home.#.Decelerating
118(76h)	1	9(09h)	UINT32	Home.#.Decel
118(76h)	1	10(0Ah)	DEST	Home.#.Initiate
118(76h)	1	11(0Bh)	UINT32	Home.#.LimitDist
118(76h)	1	12(0Ch)	BOOL	Home.#.LimitDistEnable
118(76h)	1	13(0Dh)	SOURCE	Home.#.LimitDistHit
118(76h)	1	14(0Eh)	UINT16	Home.#.OffsetType
118(76h)	1	15(0Fh)	INT32	Home.#.EndPosn
118(76h)	1	16(10h)	UINT16	Home.#.Reference
118(76h)	1	17(11h)	DEST	Home.#.SensorTrigger
118(76h)	1	18(12h)	INT32	Home.#.SpecifiedOffset
118(76h)	1	19(13h)	UINT16	Home.#.TimeBase
118(76h)	1	20(14h)	INT32	Home.#.Vel
119(77h)	1	1(01h)	SOURCE	Jog.AnyCommandComplete
119(77h)	1	2(02h)	DEST	Jog.MinusActivate
119(77h)	1	3(03h)	DEST	Jog.PlusActivate
120(78h)	1-2(02h)	1(01h)	SOURCE	Jog.#.Accelerating
120(78h)	1-2(02h)	2(02h)	UINT32	Jog.#.Accel
120(78h)	1-2(02h)	3(03h)	SOURCE	Jog.#.AtVel
120(78h)	1-2(02h)	4(04h)	SOURCE	Jog.#.CommandComplete
120(78h)	1-2(02h)	5(05h)	SOURCE	Jog.#.CommandInProgress
120(78h)	1-2(02h)	6(06h)	SOURCE	Jog.#.Decelerating
120(78h)	1-2(02h)	7(07h)	UINT32	Jog.#.Decel
120(78h)	1-2(02h)	8(08h)	BOOL	Jog.#.SerialMinus
120(78h)	1-2(02h)	9(09h)	BOOL	Jog.#.SerialPlus
120(78h)	1-2(02h)	10(0Ah)	INT32	Jog.#.Vel
120(78h)	1-2(02h)	11(0Bh)	UINT16	Jog.#.TimeBase
121(79h)	1	1(01h)	DEST	Jog.#.Select
122(7Ah)	1	1(01h)	SOURCE	MotorAxis.DriveEnableStatus
122(7Ah)	1	2(02h)	UINT16	MotorAxis.MotionState
122(7Ah)	1	3(03h)	UINT16	MotorAxis.OvercurrentDiagnosticCounter
122(7Ah)	1	4(04h)	SOURCE	MotorAxis.PowerStageEnabled
122(7Ah)	1	5(05h)	UINT16	MotorAxis.PowerUpCount
122(7Ah)	1	6(06h)	UINT32	MotorAxis.PowerUpTime
122(7Ah)	1	7(07h)	UINT16	MotorAxis.SegmentDisplay
122(7Ah)	1	8(08h)	SOURCE	MotorAxis.ShuntActive
122(7Ah)	1	9(09h)	UINT16	MotorAxis.ShuntPowerRMS
122(7Ah)	1	10(0Ah)	UINT32	MotorAxis.TotalPowerUpTime
122(7Ah)	1	11(0Bh)	SOURCE	Brake.Disengaged
122(7Ah)	1	12(0Ch)	DEST	Brake.Activate
122(7Ah)	1	13(0Dh)	DEST	Brake.Release
122(7Ah)	1	14(0Eh)	SOURCE	Fault.DriveOK

122(7Ah)	1	15(0Fh)	SOURCE	MotorAxis.StartUp
122(7Ah)	1	16(10h)	SOURCE	MotorAxis.PowerSupplyReady
122(7Ah)	1	18(12h)	SOURCE	Index.AnyCommandComplete
122(7Ah)	1	19(13h)	DEST	MotorAxis.SoftDriveDisable
122(7Ah)	1	20(14h)	UINT32	MotorAxis.FreeRunTime
122(7Ah)	1	21(15h)	UINT32	MotorAxis.OvercurrentDiagnosticCounter32
122(7Ah)	1	22(16h)	UINT16	MotorAxis.ShuntAveragePower
122(7Ah)	1	23(17h)	UINT16	MotorAxis.ShuntMaxEnergy
122(7Ah)	1	24(18h)	UINT16	MotorAxis.ShuntResistance
123(7Bh)	1-100(64h)	1(01h)	SOURCE	Index.#.Accelerating
123(7Bh)	1-100(64h)	2(02h)	UINT32	Index.#.Accel
123(7Bh)	1-100(64h)	3(03h)	UINT16	Index.#.AnalogLimitType
123(7Bh)	1-100(64h)	4(04h)	INT32	Index.#.AnalogLimitValue
123(7Bh)	1-100(64h)	5(05h)	SOURCE	Index.#.AtVel
123(7Bh)	1-100(64h)	6(06h)	SOURCE	Index.#.CommandComplete
123(7Bh)	1-100(64h)	7(07h)	SOURCE	Index.#.CommandInProgress
123(7Bh)	1-100(64h)	8(08h)	SOURCE	Index.#.Decelerating
123(7Bh)	1-100(64h)	9(09h)	UINT32	Index.#.Decel
123(7Bh)	1-100(64h)	10(0Ah)	INT32	Index.#.Dist
123(7Bh)	1-100(64h)	11(0Bh)	BOOL	Index.#.RegistrationWindowEnable
123(7Bh)	1-100(64h)	13(0Dh)	DEST	Index.#.Initiate
123(7Bh)	1-100(64h)	14(0Eh)	SOURCE	Index.#.LimitDistHit
123(7Bh)	1-100(64h)	15(0Fh)	BOOL	Index.#.PLSEnable
123(7Bh)	1-100(64h)	16(10h)	UINT32	Index.#.PlsOffDist
123(7Bh)	1-100(64h)	17(11h)	UINT32	Index.#.PlsOnDist
123(7Bh)	1-100(64h)	18(12h)	INT32	Index.#.RegistrationOffset
123(7Bh)	1-100(64h)	19(13h)	UINT32	Index.#.RegistrationWindowEnd
123(7Bh)	1-100(64h)	20(14h)	UINT32	Index.#.RegistrationWindowStart
123(7Bh)	1-100(64h)	21(15h)	DEST	Index.#.SensorTrigger
123(7Bh)	1-100(64h)	22(16h)	UINT16	Index.#.TimeBase
123(7Bh)	1-100(64h)	23(17h)	SOURCE	Index.#.PLSStatus
123(7Bh)	1-100(64h)	24(18h)	UINT16	Index.#.Type
123(7Bh)	1-100(64h)	25(19h)	UINT32	Index.#.Vel
123(7Bh)	1	27(1Bh)	SOURCE	Index.ProfileLimited
123(7Bh)	1-100(64h)	28(1Ch)	INT32	Index.#.IndexTime
123(7Bh)	1	29(1Dh)	DEST	Index.ResetProfileLimited
123(7Bh)	1-100(64h)	30(1Eh)	UINT16	Index.#.AnalogOperator
123(7Bh)	1-100(64h)	31(1Fh)	UINT16	Index.#.RegistrationType
123(7Bh)	1-100(64h)	32(20h)	BOOL	Index.#.TimedIndexEnable
125(7Dh)	1	1(01h)	SOURCE	Program.AnyActive
125(7Dh)	1	2(02h)	SOURCE	Program.AnyComplete
126(7Eh)	1-100(64h)	1(01h)	DEST	Program.#.Initiate
126(7Eh)	1-100(64h)	2(02h)	SOURCE	Program.#.ProgramComplete
126(7Eh)	1-100(64h)	3(03h)	DEST	Program.#.Stop
126(7Eh)	1-100(64h)	4(04h)	SOURCE	Program.#.ProgramRunning
126(7Eh)	1-100(64h)	5(05h)	BOOL	Program.#.RunAnytimeEnable
128(80h)	1	1(01h)	UINT16	DriveAnalogInput.Decimal
128(80h)	1	2(02h)	INT32	DriveAnalogInput.MaxUserValue
128(80h)	1	3(03h)	INT16	DriveAnalogInput.MaxVoltageValue
128(80h)	1	4(04h)	INT32	DriveAnalogInput.MinUserValue

128(80h)	1	5(05h)	INT16	DriveAnalogInput.MinVoltageValue
128(80h)	1	6(06h)	INT16	DriveAnalogInput.RawValue
128(80h)	1	7(07h)	DEST	DriveAnalogInput.SetMax
128(80h)	1	8(08h)	DEST	DriveAnalogInput.SetMin
128(80h)	1	9(09h)	INT32	DriveAnalogInput.ValueIn
128(80h)	1	10(0Ah)	UINT16	DriveAnalogInput.LowPassFilterFrequency
128(80h)	1	11(0Bh)	BOOL	DriveAnalogInput.ChannelEnable
128(80h)	1	12(0Ch)	BOOL	DriveAnalogInput.CustomDestinationEnable
129(81h)	1-2(02h)	3(03h)	UINT16	DriveAnalogOutput.#.Source
129(81h)	1-2(02h)	4(04h)	INT16	DriveAnalogOutput.#.Feedback
129(81h)	1-2(02h)	6(06h)	BOOL	DriveAnalogOutput.#.ChannelEnable
129(81h)	1-2(02h)	7(07h)	INT32	DriveAnalogOutput.#.MaxUserValue
129(81h)	1-2(02h)	8(08h)	INT32	DriveAnalogOutput.#.MaxOutputValue
129(81h)	1-2(02h)	9(09h)	INT32	DriveAnalogOutput.#.MinUserValue
129(81h)	1-2(02h)	10(0Ah)	INT32	DriveAnalogOutput.#.MinOutputValue
130(82h)	1-8(08h)	1(01h)	INT32	Queue.#.DataIn
130(82h)	1-8(08h)	2(02h)	INT32	Queue.#.DataOut
130(82h)	1-8(08h)	3(03h)	SOURCE	Queue.#.QueueEmpty
130(82h)	1-8(08h)	4(04h)	SOURCE	Queue.#.QueueFull
130(82h)	1-8(08h)	5(05h)	SOURCE	Queue.#.QueueOverflow
130(82h)	1-8(08h)	6(06h)	INT32	Queue.#.ExitPosition
130(82h)	1-8(08h)	7(07h)	UINT16	Queue.#.FullLevel
130(82h)	1-8(08h)	8(08h)	DEST	Queue.#.QueueClear
130(82h)	1-8(08h)	9(09h)	DEST	Queue.#.QueueCompareEnable
130(82h)	1-8(08h)	10(0Ah)	SOURCE	Queue.#.QueueExit
130(82h)	1-8(08h)	11(0Bh)	UINT16	Queue.#.QueueSize
130(82h)	1-8(08h)	12(0Ch)	UINT16	Queue.#.Source
130(82h)	1-8(08h)	13(0Dh)	INT32	Queue.#.QueueOffset
131(83h)	1-8(08h)	1(01h)	DEST	Capture.#.CaptureActivate
131(83h)	1-8(08h)	3(03h)	INT32	Capture.#.CapturedMasterPosition
131(83h)	1-8(08h)	4(04h)	INT32	Capture.#.CapturedPositionCommand
131(83h)	1-8(08h)	5(05h)	INT32	Capture.#.CapturedPositionFeedback
131(83h)	1-8(08h)	6(06h)	INT32	Capture.#.CapturedTime
131(83h)	1-8(08h)	7(07h)	DEST	Capture.#.CaptureEnable
131(83h)	1-8(08h)	8(08h)	DEST	Capture.#.CaptureReset
131(83h)	1-8(08h)	9(09h)	SOURCE	Capture.#.CaptureTriggered
131(83h)	1-8(08h)	10(0Ah)	INT32	Capture.#.CapturedMasterPosHomed
132(84h)	1-255(FFh)	1(01h)	UINT16	Var.#.Decimal
132(84h)	1-255(FFh)	2(02h)	INT32	Var.#.Value
133(85h)	1	2(02h)	DEST	Gear.Activate
133(85h)	1	3(03h)	INT32	Gear.Ratio
133(85h)	1	4(04h)	SOURCE	Gear.AtVel
133(85h)	1	5(05h)	SOURCE	Gear.CommandComplete
133(85h)	1	6(06h)	SOURCE	Gear.CommandInProgress
133(85h)	1	7(07h)	BOOL	Gear.AccelEnable
133(85h)	1	8(08h)	SOURCE	Gear.Accelerating
133(85h)	1	9(09h)	UINT32	Gear.Accel
133(85h)	1	11(0Bh)	BOOL	Gear.DecelEnable
133(85h)	1	12(0Ch)	SOURCE	Gear.Decelerating
133(85h)	1	13(0Dh)	UINT32	Gear.Decel

133(85h)	1	15(0Fh)	INT32	Gear.RecoveryDist
133(85h)	1	16(10h)	UINT16	Gear.Direction
133(85h)	1	20(14h)	BOOL	Gear.UseScaleEnable
133(85h)	1	21(15h)	INT32	Gear.ScaleNumerator
133(85h)	1	22(16h)	INT32	Gear.ScaleDenominator
134(86h)	1-2(02h)	1(01h)	DEST	Profile.#.MotionStop
134(86h)	1-2(02h)	2(02h)	INT32	Profile.#.PosnCommand
134(86h)	1-2(02h)	3(03h)	INT32	Profile.#.VelCommand
134(86h)	1-2(02h)	4(04h)	SOURCE	Profile.#.Accelerating
134(86h)	1-2(02h)	5(05h)	SOURCE	Profile.#.AtVel
134(86h)	1-2(02h)	6(06h)	SOURCE	Profile.#.Decelerating
134(86h)	1-2(02h)	7(07h)	SOURCE	Profile.#.CommandInProgress
134(86h)	1-2(02h)	8(08h)	SOURCE	Profile.#.CommandComplete
134(86h)	1-2(02h)	9(09h)	DEST	Profile.#.Feedhold
135(87h)	1-8(08h)	1(01h)	UINT32	BitRegister.#.Value
135(87h)	1-8(08h)	2(02h)	UINT32	BitRegister.#.ValueMask
136(88h)	1-320(40h)	1(01h)	BOOL	Bit.#.BitValue
137(89h)	1	1(01h)	UINT16	Ethernet.EthernetConfiguration.DataRate
137(89h)	1	2(02h)	BOOL	Ethernet.EthernetConfiguration.ModbusGatewayEnable
137(89h)	1	3(03h)	UINT32	Ethernet.EthernetConfiguration.Gateway
137(89h)	1	4(04h)	UINT32	Ethernet.EthernetConfiguration.IpAddress
137(89h)	1	5(05h)	UINT16	Ethernet.EthernetConfiguration.IpPerformance
137(89h)	1	6(06h)	UINT16	Ethernet.EthernetConfiguration.ModbusPortNumber
137(89h)	1	7(07h)	UINT32	Ethernet.EthernetConfiguration.SubnetMask
137(89h)	1	8(08h)	UINT16	Ethernet.EthernetConfiguration.WordSwap
138(8Ah)	1-5(05h)	5(05h)	DEST	Ethernet.EthernetEmail.#.MailReset
138(8Ah)	1-5(05h)	6(06h)	UINT32	Ethernet.EthernetEmail.#.RelayHost
138(8Ah)	1-5(05h)	7(07h)	SOURCE	Ethernet.EthernetEmail.#.RelayHostFailure
138(8Ah)	1-5(05h)	8(08h)	DEST	Ethernet.EthernetEmail.#.Initiate
139(8Bh)	1	2(02h)	UINT32	Ethernet.EthernetEmail.TermCounter
140(8Ch)	1-5(05h)	1(01h)	UINT16	Ethernet.EthernetExplicit.#.Attribute
140(8Ch)	1-5(05h)	2(02h)	UINT16	Ethernet.EthernetExplicit.#.Class
140(8Ch)	1-5(05h)	3(03h)	SOURCE	Ethernet.EthernetExplicit.#.CommandComplete
140(8Ch)	1-5(05h)	4(04h)	SOURCE	Ethernet.EthernetExplicit.#.CommandInProgress
140(8Ch)	1-5(05h)	5(05h)	UINT16	Ethernet.EthernetExplicit.#.Decimal
140(8Ch)	1-5(05h)	6(06h)	DEST	Ethernet.EthernetExplicit.#.Initiate
140(8Ch)	1-5(05h)	7(07h)	UINT16	Ethernet.EthernetExplicit.#.Instance
140(8Ch)	1-5(05h)	8(08h)	SOURCE	Ethernet.EthernetExplicit.#.MessageFailed
140(8Ch)	1-5(05h)	9(09h)	NAME	Ethernet.EthernetExplicit.#.Name
140(8Ch)	1-5(05h)	10(0Ah)	UINT16	Ethernet.EthernetExplicit.#.Operation
140(8Ch)	1-5(05h)	11(0Bh)	UINT32	Ethernet.EthernetExplicit.#.TargetIP
140(8Ch)	1-5(05h)	12(0Ch)	UINT32	Ethernet.EthernetExplicit.#.Value
140(8Ch)	1-5(05h)	13(0Dh)	BOOL	Ethernet.EthernetExplicit.#.SignedData
140(8Ch)	1-5(05h)	14(0Eh)	UINT16	Ethernet.EthernetExplicit.#.ExplicitMessageSize
141(8Dh)	1	1(01h)	BOOL	Ethernet.EthernetHTTP.EnablePassword
141(8Dh)	1	2(02h)	STRING:12	Ethernet.EthernetHTTP.Password
143(8Fh)	1	2(02h)	UINT16	Ethernet.EthernetModules.NrModuleInstances
144(90h)	1	1(01h)	UINT16	Ethernet.EthernetStatus.EthernetMacIdWord1
144(90h)	1	2(02h)	UINT16	Ethernet.EthernetStatus.EthernetMacIdWord2
144(90h)	1	3(03h)	UINT16	Ethernet.EthernetStatus.EthernetMacIdWord3

144(90h)	1	4(04h)	SOURCE	Ethernet.EthernetStatus.EthernetOK
144(90h)	1	5(05h)	UINT16	Ethernet.EthernetStatus.LinkState
144(90h)	1	6(06h)	UINT16	Ethernet.EthernetStatus.EthernetModuleStatus
144(90h)	1	7(07h)	UINT16	Ethernet.EthernetStatus.EthernetNetworkStatus
144(90h)	1	8(08h)	UINT32	Ethernet.EthernetStatus.ProcessedMessageCounter
144(90h)	1	9(09h)	UINT32	Ethernet.EthernetStatus.RcvCounter
144(90h)	1	10(0Ah)	UINT32	Ethernet.EthernetStatus.XmitCounter
145(91h)	1-8(08h)	1(01h)	UINT16	Timer.#.TimerType
145(91h)	1-8(08h)	2(02h)	UINT16	Timer.#.TimerTimebase
145(91h)	1-8(08h)	3(03h)	UINT32	Timer.#.TimerPreset
145(91h)	1-8(08h)	4(04h)	UINT32	Timer.#.TimerElapsedTime
145(91h)	1-8(08h)	5(05h)	DEST	Timer.#.TimerInput
145(91h)	1-8(08h)	6(06h)	DEST	Timer.#.TimerReset
145(91h)	1-8(08h)	7(07h)	SOURCE	Timer.#.TimerActive
145(91h)	1-8(08h)	8(08h)	SOURCE	Timer.#.TimerOutput
145(91h)	1-8(08h)	9(09h)	DEST	Timer.#.TimerEnable
146(92h)	1	1(01h)	UINT16	Cam.CamDirection
146(92h)	1	2(02h)	INT16	Cam.ActiveTable
146(92h)	1	3(03h)	UINT16	Cam.ActivePoint
146(92h)	1	4(04h)	SOURCE	Cam.ResumeAvailable
146(92h)	1	5(05h)	INT32	Cam.ResumeMasterPosn
146(92h)	1	6(06h)	INT32	Cam.ResumeMasterTime
146(92h)	1	7(07h)	INT32	Cam.ResumeFollowerPosn
146(92h)	1	8(08h)	DEST	Cam.Resume
146(92h)	1	9(09h)	DEST	Cam.Suspend
146(92h)	1	10(0Ah)	DEST	Cam.Stop
146(92h)	1	11(0Bh)	UINT32	Cam.StopDecel
146(92h)	1	12(0Ch)	BOOL	Cam.DecelEnable
146(92h)	1	13(0Dh)	SOURCE	Cam.CommandingMotion
146(92h)	1	14(0Eh)	SOURCE	Cam.CommandComplete
146(92h)	1	15(0Fh)	INT32	Cam.CapturedTime
146(92h)	1	16(10h)	INT32	Cam.CapturedPositionCommand
146(92h)	1	17(11h)	INT32	Cam.CapturedPositionFeedback
146(92h)	1	18(12h)	INT32	Cam.CapturedMasterPosition
146(92h)	1	19(13h)	INT32	Cam.CapturedMasterPosHomed
147(93h)	1-32(20h)	1(01h)	INT16	Cam.#.ForwardChain
147(93h)	1-32(20h)	2(02h)	INT16	Cam.#.BackwardChain
147(93h)	1-32(20h)	3(03h)	UINT16	Cam.#.Repeat
147(93h)	1-32(20h)	4(04h)	INT32	Cam.#.Dist
147(93h)	1-32(20h)	5(05h)	UINT32	Cam.#.Vel
147(93h)	1-32(20h)	6(06h)	INT32	Cam.#.InitialVelocity
147(93h)	1-32(20h)	7(07h)	INT32	Cam.#.FinalVelocity
147(93h)	1-32(20h)	8(08h)	UINT32	Cam.#.Accel
147(93h)	1-32(20h)	9(09h)	UINT32	Cam.#.Decel
147(93h)	1-32(20h)	10(0Ah)	INT32	Cam.#.IndexTime
147(93h)	1-32(20h)	11(0Bh)	UINT16	Cam.#.Interpolation
147(93h)	1-32(20h)	12(0Ch)	DEST	Cam.#.Initiate
147(93h)	1-32(20h)	13(0Dh)	SOURCE	Cam.#.CamTableComplete
147(93h)	1-32(20h)	14(0Eh)	SOURCE	Cam.#.CamTableInMotion
147(93h)	1-32(20h)	15(0Fh)	UINT16	Cam.#.TimeBase

147(93h)	1-32(20h)	16(10h)	UINT16	Cam.#.CamType
147(93h)	1-32(20h)	17(11h)	UINT16	Cam.#.TableLimit
148(94h)	1	1(01h)	BOOL	DistanceRecovery.DistanceRecoveryEnable
148(94h)	1	2(02h)	UINT32	DistanceRecovery.Accel
148(94h)	1	3(03h)	UINT32	DistanceRecovery.Decel
148(94h)	1	4(04h)	INT32	DistanceRecovery.Vel
149(95h)	1	1(01h)	SOURCE	TorqueMode.CommandComplete
149(95h)	1	2(02h)	SOURCE	TorqueMode.CommandInProgress
149(95h)	1	3(03h)	DEST	TorqueMode.Activate
149(95h)	1	4(04h)	INT32	TorqueMode.TorqueCommand
149(95h)	1	5(05h)	BOOL	TorqueMode.VelocityLimitEnable
149(95h)	1	6(06h)	INT32	TorqueMode.VelocityLimit
149(95h)	1	7(07h)	INT32	TorqueMode.TorqueModeHysteresis
149(95h)	1	8(08h)	BOOL	TorqueMode.AccelEnable
149(95h)	1	9(09h)	UINT32	TorqueMode.Accel
149(95h)	1	10(0Ah)	BOOL	TorqueMode.DecelEnable
149(95h)	1	11(0Bh)	UINT32	TorqueMode.Decel
149(95h)	1	12(0Ch)	SOURCE	TorqueMode.VelLimitActive
150(96h)	1	1(01h)	INT32	VirtualMaster.Dist
150(96h)	1	2(02h)	INT32	VirtualMaster.Vel
150(96h)	1	3(03h)	UINT32	VirtualMaster.Accel
150(96h)	1	4(04h)	UINT32	VirtualMaster.Decel
150(96h)	1	5(05h)	UINT32	VirtualMaster.CharacteristicLength
150(96h)	1	6(06h)	UINT32	VirtualMaster.CharacteristicDistance
150(96h)	1	7(07h)	UINT16	VirtualMaster.FeedRateOverride
150(96h)	1	8(08h)	UINT16	VirtualMaster.FeedRateDecelerationTime
150(96h)	1	11(0Bh)	DEST	VirtualMaster.Initiate
150(96h)	1	12(0Ch)	DEST	VirtualMaster.PlusActivate
150(96h)	1	13(0Dh)	DEST	VirtualMaster.MinusActivate
150(96h)	1	14(0Eh)	DEST	VirtualMaster.Stop
150(96h)	1	15(0Fh)	DEST	VirtualMaster.FeedRateDeactivate
150(96h)	1	21(15h)	SOURCE	VirtualMaster.CommandInProgress
150(96h)	1	22(16h)	SOURCE	VirtualMaster.CommandComplete
150(96h)	1	31(1Fh)	INT32	VirtualMaster.PosnCommand
150(96h)	1	32(20h)	INT32	VirtualMaster.PosnCmdInCounts
150(96h)	1	33(21h)	INT32	VirtualMaster.Counts
150(96h)	1	34(22h)	INT32	VirtualMaster.MarkerCount
151(97h)	1-4(04h)	1(01h)	UINT16	PackedBits.ControlWord.#.Value
152(98h)	1-4(04h)	1(01h)	UINT16	PackedBits.StatusWord.#.Value
153(99h)	1	1(01h)	SOURCE	CyclicProgram.#.Blocked
154(9Ah)	1	1(01h)	SOURCE	RealTimeProgram.#.Blocked

Parameters for: FM-3DN, FM-3E , FM-4DN, and FM-4E

Class	Instance	Attribute	Data Type	Data Type
1(01h)	1	1(01h)	UINT16	Devicenet.DeviceNetIdentityObject.VendorId
1(01h)	1	2(02h)	UINT16	Devicenet.DeviceNetIdentityObject.DeviceType
1(01h)	1	3(03h)	UINT16	ProductRevInfo.ProductSubGroup
1(01h)	1	4(04h)	STRING:4	ProductRevInfo.ModuleFirmwareRevision

1(01h)	1	5(05h)	UINT16	Devicenet.DeviceNetIdentityObject.DeviceStatus
1(01h)	1	6(06h)	STRING:16	ProductRevInfo.ModuleSerialNumber
1(01h)	1	10(0Ah)	UINT16	Devicenet.DeviceNetIdentityObject.HeartbeatInterval
3(03h)	1	1(01h)	UINT16	Devicenet.DeviceNetObject.MacID
3(03h)	1	2(02h)	UINT16	Devicenet.DeviceNetObject.BaudRate
3(03h)	1	3(03h)	BOOL	Devicenet.DeviceNetObject.BusOffInterrupt
3(03h)	1	4(04h)	UINT16	Devicenet.DeviceNetObject.BusOffCounter
100(64h)	1	1(01h)	UINT16	MotorAxis.DriveAmbientTemp
100(64h)	1	3(03h)	UINT16	MotorAxis.LineVoltage
100(64h)	1	4(04h)	UINT16	MotorAxis.MotorType
100(64h)	1	5(05h)	STRING:12	MotorAxis.Name
100(64h)	1	6(06h)	UINT16	MotorAxis.PositiveDirection
100(64h)	1	7(07h)	BOOL	DriveOutputEncoder.ScalingEnable
100(64h)	1	8(08h)	UINT16	DriveOutputEncoder.Scaling
100(64h)	1	9(09h)	DEST	Keypad.DisplayTest
100(64h)	1	10(0Ah)	DEST	Keypad.KeypadTest
100(64h)	1	11(0Bh)	UINT16	Modbus.BaudRate
100(64h)	1	12(0Ch)	UINT16	MotorAxis.SwitchingFrequency
101(65h)	1	1(01h)	UINT16	ModuleOutputEncoder.Source
101(65h)	1	2(02h)	UINT16	MasterAccelUnits.Decimal
101(65h)	1	3(03h)	STRING:12	MasterAccelUnits.Name
101(65h)	1	4(04h)	UINT32	MasterDistUnits.CharacteristicDistance
101(65h)	1	5(05h)	UINT16	MasterDistUnits.Counts
101(65h)	1	6(06h)	UINT16	MasterDistUnits.Decimal
101(65h)	1	7(07h)	STRING:12	MasterDistUnits.Name
101(65h)	1	12(0Ch)	DEST	MasterAxis.DefineHome
101(65h)	1	13(0Dh)	INT32	MasterAxis.DefineHomePosn
101(65h)	1	15(0Fh)	INT32	MasterAxis.PosnFeedbackInCounts
101(65h)	1	17(11h)	UINT16	MasterAxis.Polarity
101(65h)	1	18(12h)	INT32	MasterAxis.PosnFeedback
101(65h)	1	21(15h)	BOOL	MasterAxis.RotaryRolloverEnable
101(65h)	1	22(16h)	UINT32	MasterAxis.RotaryRolloverPosn
101(65h)	1	23(17h)	UINT16	MasterAxis.Source
101(65h)	1	25(19h)	INT32	MasterAxis.VelFeedback
101(65h)	1	27(1Bh)	UINT16	MasterVelUnits.Decimal
101(65h)	1	28(1Ch)	STRING:12	MasterVelUnits.Name
101(65h)	1	29(1Dh)	SOURCE	MasterAxis.EncoderMarker
101(65h)	1	30(1Eh)	UINT16	MasterAxis.VelocityFilterBandwidth
101(65h)	1	31(1Fh)	DEST	MasterAxis.UndefineHome
101(65h)	1	32(20h)	BOOL	MasterAxis.EnableFilter
101(65h)	1	33(21h)	UINT16	MasterAxis.FilterSamples
101(65h)	1	35(23h)	BOOL	MasterAxis.FeedforwardsEnable
101(65h)	1	36(24h)	SOURCE	MasterAxis.AbsolutePosnValid
101(65h)	1	37(25h)	UINT16	MasterAxis.Interpretation
101(65h)	1	38(26h)	UINT16	MotorAxis.DriveInputSignal
101(65h)	1	40(28h)	INT32	MasterDistUnits.ModuleVarScalingDenominator
102(66h)	1	1(01h)	DEST	MotorAxis.DefineHome
102(66h)	1	2(02h)	INT32	MotorAxis.DefineHomePosn
102(66h)	1	3(03h)	BOOL	MotorAxis.FollowingErrorEnable
102(66h)	1	4(04h)	INT32	MotorAxis.PosnFeedbackInCounts

102(66h)	1	5(05h)	INT32	MotorAxis.FollowingError
102(66h)	1	6(06h)	UINT32	MotorAxis.FollowingErrorLimit
102(66h)	1	7(07h)	SOURCE	MotorAxis.InPosn
102(66h)	1	8(08h)	UINT16	MotorAxis.InPosnTime
102(66h)	1	9(09h)	UINT32	MotorAxis.InPosnWindow
102(66h)	1	10(0Ah)	INT32	MotorAxis.PosnCommand
102(66h)	1	11(0Bh)	INT32	MotorAxis.PosnFeedback
102(66h)	1	12(0Ch)	BOOL	MotorAxis.RotaryRolloverEnable
102(66h)	1	13(0Dh)	UINT32	MotorAxis.RotaryRolloverPosn
102(66h)	1	15(0Fh)	BOOL	MotorAxis.SoftwareTravelLimitEnable
102(66h)	1	16(10h)	SOURCE	MotorAxis.SoftwareTravelLimitMinusActive
102(66h)	1	17(11h)	INT32	MotorAxis.SoftwareTravelLimitMinusPosn
102(66h)	1	18(12h)	SOURCE	MotorAxis.SoftwareTravelLimitPlusActive
102(66h)	1	19(13h)	INT32	MotorAxis.SoftwareTravelLimitPlusPosn
102(66h)	1	20(14h)	SOURCE	MotorAxis.TravelLimitMinusActive
102(66h)	1	21(15h)	SOURCE	MotorAxis.TravelLimitPlusActive
102(66h)	1	22(16h)	UINT16	DistUnits.CharacteristicLength
102(66h)	1	23(17h)	UINT16	DistUnits.Decimal
102(66h)	1	24(18h)	STRING:12	DistUnits.Name
102(66h)	1	25(19h)	DEST	MotorAxis.ClearFollowingError
102(66h)	1	26(1Ah)	DEST	MotorAxis.TravelLimitMinusActivate
102(66h)	1	27(1Bh)	DEST	MotorAxis.TravelLimitPlusActivate
102(66h)	1	28(1Ch)	UINT32	DistUnits.CharacteristicDistance
102(66h)	1	29(1Dh)	DEST	MotorAxis.TravelLimitDisable
102(66h)	1	30(1Eh)	DEST	MotorAxis.UndefineHome
102(66h)	1	31(1Fh)	SOURCE	MotorAxis.EncoderMarker
102(66h)	1	32(20h)	SOURCE	MotorAxis.AbsolutePosnValid
103(67h)	1	1(01h)	SOURCE	MotorAxis.AtVel
103(67h)	1	2(02h)	SOURCE	MotorAxis.CommandingMotion
103(67h)	1	3(03h)	UINT16	MotorAxis.FeedRateOverride
103(67h)	1	7(07h)	UINT16	MotorAxis.OverspeedVel
103(67h)	1	8(08h)	INT32	MotorAxis.VelCommand
103(67h)	1	9(09h)	INT32	MotorAxis.VelFeedback
103(67h)	1	10(0Ah)	SOURCE	MotorAxis.VelLimitActive
103(67h)	1	11(0Bh)	UINT16	VelocityUnits.Decimal
103(67h)	1	12(0Ch)	UINT32	VelocityUnits.DistVelScale
103(67h)	1	13(0Dh)	BOOL	VelocityUnits.ScalingEnable
103(67h)	1	14(0Eh)	STRING:12	VelocityUnits.Name
103(67h)	1	15(0Fh)	UINT16	VelocityUnits.TimeScale
103(67h)	1	16(10h)	DEST	MotorAxis.FeedRateDeactivate
103(67h)	1	17(11h)	UINT16	MotorAxis.FeedRateDecelerationTime
104(68h)	1	1(01h)	UINT16	AccelUnits.Decimal
104(68h)	1	2(02h)	BOOL	AccelUnits.InvertAccel
104(68h)	1	3(03h)	STRING:12	AccelUnits.Name
104(68h)	1	4(04h)	UINT16	AccelUnits.TimeScale
104(68h)	1	5(05h)	SOURCE	MotorAxis.Accelerating
104(68h)	1	6(06h)	UINT16	MotorAxis.AccelType
104(68h)	1	7(07h)	SOURCE	MotorAxis.Decelerating
104(68h)	1	8(08h)	DEST	MotorAxis.Feedhold
104(68h)	1	9(09h)	UINT16	MotorAxis.FeedholdDecelTime

104(68h)	1	10(0Ah)	DEST	MotorAxis.Stop
104(68h)	1	11(0Bh)	UINT32	MotorAxis.StopDecel
104(68h)	1	12(0Ch)	UINT32	MotorAxis.TravelLimitDecel
104(68h)	1	13(0Dh)	DEST	MotorAxis.MotionStop
105(69h)	1	1(01h)	SOURCE	MotorAxis.FoldbackActive
105(69h)	1	2(02h)	UINT16	MotorAxis.FoldbackRMS
105(69h)	1	4(04h)	INT32	MotorAxis.TorqueCommand
105(69h)	1	5(05h)	INT32	MotorAxis.TorqueCommandLimited
105(69h)	1	6(06h)	INT32	MotorAxis.TorqueFeedback
105(69h)	1	7(07h)	UINT32	MotorAxis.TorqueLevel
105(69h)	1	8(08h)	SOURCE	MotorAxis.TorqueLevelActive
105(69h)	1	9(09h)	UINT32	MotorAxis.TorqueLimit
105(69h)	1	10(0Ah)	SOURCE	MotorAxis.TorqueLimitActive
105(69h)	1	11(0Bh)	DEST	MotorAxis.TorqueLimitEnable
105(69h)	1	12(0Ch)	UINT16	TorqueUnits.Decimal
105(69h)	1	13(0Dh)	STRING:12	TorqueUnits.Name
105(69h)	1	14(0Eh)	UINT16	TorqueUnits.PercentContinuousCurrent
105(69h)	1	15(0Fh)	UINT32	TorqueUnits.Torque
105(69h)	1	16(10h)	UINT16	MotorAxis.BusVoltage
105(69h)	1	17(11h)	UINT16	MotorAxis.HeatSinkTemperature
106(6Ah)	1	1(01h)	BOOL	MotorAxis.FeedforwardsEnable
106(6Ah)	1	2(02h)	BOOL	MotorAxis.ObserverEnable
106(6Ah)	1	3(03h)	BOOL	MotorAxis.PosnIntegralEnable
106(6Ah)	1	4(04h)	UINT16	MotorAxis.Friction
106(6Ah)	1	5(05h)	UINT16	MotorAxis.Inertia
106(6Ah)	1	6(06h)	BOOL	MotorAxis.LowPassFilterEnable
106(6Ah)	1	7(07h)	UINT16	MotorAxis.LowPassFilterFrequency
106(6Ah)	1	10(0Ah)	UINT16	MotorAxis.PosnErrorIntegralTimeConst
106(6Ah)	1	11(0Bh)	UINT16	MotorAxis.Response
106(6Ah)	1	12(0Ch)	INT16	MotorAxis.CommutationAngleCorrection
106(6Ah)	1	13(0Dh)	UINT16	MotorAxis.CommutationTrackAngle
106(6Ah)	1	14(0Eh)	INT16	MotorAxis.CommutationVoltage
107(6Bh)	1	1(01h)	UINT32	Fault.DriveFaultsBitmap
107(6Bh)	1	2(02h)	BOOL	Fault.EncoderStateFaultEnable
107(6Bh)	1	3(03h)	SOURCE	Fault.Faulted
107(6Bh)	1	4(04h)	UINT32	Fault.ModuleFaultsBitmap
107(6Bh)	1	5(05h)	DEST	Fault.Reset
107(6Bh)	1	6(06h)	BOOL	Fault.LowDCBusFaultEnable
107(6Bh)	1	7(07h)	BOOL	Fault.ClearModuleCounts
107(6Bh)	1	8(08h)	BOOL	FaultLog.ClearLog
107(6Bh)	1	9(09h)	UINT16	FaultLog.ModulePowerUpCount
107(6Bh)	1-10(0Ah)	10(0Ah)	UINT16	DriveFaultLog.#.FaultType
107(6Bh)	1-10(0Ah)	11(0Bh)	UINT16	DriveFaultLog.#.PowerUpCount
107(6Bh)	1-10(0Ah)	12(0Ch)	UINT32	DriveFaultLog.#.PowerUpTime
107(6Bh)	1	13(0Dh)	BOOL	Fault.CommutationHardwareFaultEnable
107(6Bh)	1	14(0Eh)	BOOL	Fault.CommutationFaultEnable
108(6Ch)	1-64(40h)	1(01h)	SOURCE	Fault.#.Active
108(6Ch)	1-64(40h)	2(02h)	UINT16	Fault.#.Counts
108(6Ch)	1-64(40h)	3(03h)	UINT16	Fault.#.SubFault
108(6Ch)	1-10(0Ah)	4(04h)	UINT16	FaultLog.#.FaultType

108(6Ch)	1-10(0Ah)	5(05h)	UINT16	FaultLog.#.PowerUpCount
108(6Ch)	1-10(0Ah)	6(06h)	UINT32	FaultLog.#.PowerUpTime
108(6Ch)	1-10(0Ah)	7(07h)	UINT16	FaultLog.#.SubFault
108(6Ch)	1-10(0Ah)	8(08h)	BOOL	FaultLog.#.ValidEntry
109(6Dh)	1-8(08h)	1(01h)	UINT16	PLS.#.Direction
109(6Dh)	1-8(08h)	2(02h)	INT32	PLS.#.OffPosn
109(6Dh)	1-8(08h)	4(04h)	INT32	PLS.#.OnPosn
109(6Dh)	1-8(08h)	6(06h)	DEST	PLS.#.PLSEnable
109(6Dh)	1-8(08h)	7(07h)	BOOL	PLS.#.RotaryRolloverEnable
109(6Dh)	1-8(08h)	8(08h)	UINT32	PLS.#.RotaryRolloverPosn
109(6Dh)	1-8(08h)	10(0Ah)	UINT16	PLS.#.Source
109(6Dh)	1-8(08h)	11(0Bh)	SOURCE	PLS.#.Status
110(6Eh)	1	1(01h)	DEST	Selector.SelectorInitiate
111(6Fh)	1-8(08h)	1(01h)	DEST	Selector.#.Select
112(70h)	1-256(00h)	1(01h)	SOURCE	Selector.#.Selection
113(71h)	1-4(04h)	1(01h)	BOOL	DriveInput.#.Debounced
113(71h)	1-4(04h)	2(02h)	UINT16	DriveInput.#.DebounceTime
113(71h)	1-4(04h)	3(03h)	BOOL	DriveInput.#.Force
113(71h)	1-4(04h)	4(04h)	BOOL	DriveInput.#.ForceEnable
113(71h)	1-4(04h)	5(05h)	BOOL	DriveInput.#.Raw
113(71h)	1-4(04h)	6(06h)	SOURCE	DriveInput.#.Status
114(72h)	1-8(08h)	1(01h)	BOOL	ModuleInput.#.Debounced
114(72h)	1-8(08h)	2(02h)	UINT16	ModuleInput.#.DebounceTime
114(72h)	1-8(08h)	3(03h)	BOOL	ModuleInput.#.Force
114(72h)	1-8(08h)	4(04h)	BOOL	ModuleInput.#.ForceEnable
114(72h)	1-8(08h)	5(05h)	BOOL	ModuleInput.#.Raw
114(72h)	1-8(08h)	6(06h)	SOURCE	ModuleInput.#.Status
114(72h)	1	7(07h)	UINT32	ModuleInput.InputsBitMap
115(73h)	1-3(03h)	1(01h)	DEST	DriveOutput.#.State
115(73h)	1-3(03h)	2(02h)	BOOL	DriveOutput.#.Force
115(73h)	1-3(03h)	3(03h)	BOOL	DriveOutput.#.ForceEnable
116(74h)	1-4(04h)	1(01h)	DEST	ModuleOutput.#.State
116(74h)	1-4(04h)	2(02h)	BOOL	ModuleOutput.#.Force
116(74h)	1-4(04h)	3(03h)	BOOL	ModuleOutput.#.ForceEnable
116(74h)	1	4(04h)	UINT32	ModuleOutput.OutputsBitMap
117(75h)	1	1(01h)	SOURCE	Home.AnyCommandComplete
118(76h)	1	1(01h)	SOURCE	Home.#.Accelerating
118(76h)	1	2(02h)	UINT32	Home.#.Accel
118(76h)	1	3(03h)	SOURCE	Home.#.AtVel
118(76h)	1	4(04h)	UINT16	Home.#.OnSensorAction
118(76h)	1	5(05h)	INT32	Home.#.CalculatedOffset
118(76h)	1	6(06h)	SOURCE	Home.#.CommandComplete
118(76h)	1	7(07h)	SOURCE	Home.#.CommandInProgress
118(76h)	1	8(08h)	SOURCE	Home.#.Decelerating
118(76h)	1	9(09h)	UINT32	Home.#.Decel
118(76h)	1	10(0Ah)	DEST	Home.#.Initiate
118(76h)	1	11(0Bh)	UINT32	Home.#.LimitDist
118(76h)	1	12(0Ch)	BOOL	Home.#.LimitDistEnable
118(76h)	1	13(0Dh)	SOURCE	Home.#.LimitDistHit
118(76h)	1	14(0Eh)	UINT16	Home.#.OffsetType

118(76h)	1	15(0Fh)	INT32	Home.#.EndPosn
118(76h)	1	16(10h)	UINT16	Home.#.Reference
118(76h)	1	17(11h)	DEST	Home.#.SensorTrigger
118(76h)	1	18(12h)	INT32	Home.#.SpecifiedOffset
118(76h)	1	19(13h)	UINT16	Home.#.TimeBase
118(76h)	1	20(14h)	INT32	Home.#.Vel
119(77h)	1	1(01h)	SOURCE	Jog.AnyCommandComplete
119(77h)	1	2(02h)	DEST	Jog.MinusActivate
119(77h)	1	3(03h)	DEST	Jog.PlusActivate
120(78h)	1-2(02h)	1(01h)	SOURCE	Jog.#.Accelerating
120(78h)	1-2(02h)	2(02h)	UINT32	Jog.#.Accel
120(78h)	1-2(02h)	3(03h)	SOURCE	Jog.#.AtVel
120(78h)	1-2(02h)	4(04h)	SOURCE	Jog.#.CommandComplete
120(78h)	1-2(02h)	5(05h)	SOURCE	Jog.#.CommandInProgress
120(78h)	1-2(02h)	6(06h)	SOURCE	Jog.#.Decelerating
120(78h)	1-2(02h)	7(07h)	UINT32	Jog.#.Decel
120(78h)	1-2(02h)	8(08h)	BOOL	Jog.#.SerialMinus
120(78h)	1-2(02h)	9(09h)	BOOL	Jog.#.SerialPlus
120(78h)	1-2(02h)	10(0Ah)	INT32	Jog.#.Vel
120(78h)	1-2(02h)	11(0Bh)	UINT16	Jog.#.TimeBase
121(79h)	1	1(01h)	DEST	Jog.#.Select
122(7Ah)	1	1(01h)	SOURCE	MotorAxis.DriveEnableStatus
122(7Ah)	1	2(02h)	UINT16	MotorAxis.MotionState
122(7Ah)	1	3(03h)	UINT16	MotorAxis.OvercurrentDiagnosticCounter
122(7Ah)	1	4(04h)	SOURCE	MotorAxis.PowerStageEnabled
122(7Ah)	1	5(05h)	UINT16	MotorAxis.PowerUpCount
122(7Ah)	1	6(06h)	UINT32	MotorAxis.PowerUpTime
122(7Ah)	1	7(07h)	UINT16	MotorAxis.SegmentDisplay
122(7Ah)	1	8(08h)	SOURCE	MotorAxis.ShuntActive
122(7Ah)	1	9(09h)	UINT16	MotorAxis.ShuntPowerRMS
122(7Ah)	1	10(0Ah)	UINT32	MotorAxis.TotalPowerUpTime
122(7Ah)	1	11(0Bh)	SOURCE	Brake.Disengaged
122(7Ah)	1	12(0Ch)	DEST	Brake.Activate
122(7Ah)	1	13(0Dh)	DEST	Brake.Release
122(7Ah)	1	14(0Eh)	SOURCE	Fault.DriveOK
122(7Ah)	1	15(0Fh)	SOURCE	MotorAxis.StartUp
122(7Ah)	1	16(10h)	SOURCE	MotorAxis.PowerSupplyReady
122(7Ah)	1	17(11h)	SOURCE	MotorAxis.TempCurrentLimitActive
122(7Ah)	1	18(12h)	SOURCE	Index.AnyCommandComplete
122(7Ah)	1	19(13h)	DEST	MotorAxis.SoftDriveDisable
122(7Ah)	1	20(14h)	UINT32	MotorAxis.FreeRunTime
122(7Ah)	1	21(15h)	UINT32	MotorAxis.OvercurrentDiagnosticCounter32
123(7Bh)	1-57(39h)	1(01h)	SOURCE	Index.#.Accelerating
123(7Bh)	1-57(39h)	2(02h)	UINT32	Index.#.Accel
123(7Bh)	1-57(39h)	3(03h)	UINT16	Index.#.AnalogLimitType
123(7Bh)	1-57(39h)	4(04h)	INT32	Index.#.AnalogLimitValue
123(7Bh)	1-57(39h)	5(05h)	SOURCE	Index.#.AtVel
123(7Bh)	1-57(39h)	6(06h)	SOURCE	Index.#.CommandComplete
123(7Bh)	1-57(39h)	7(07h)	SOURCE	Index.#.CommandInProgress
123(7Bh)	1-57(39h)	8(08h)	SOURCE	Index.#.Decelerating

123(7Bh)	1-57(39h)	9(09h)	UINT32	Index.#.Decel
123(7Bh)	1-57(39h)	10(0Ah)	INT32	Index.#.Dist
123(7Bh)	1-57(39h)	11(0Bh)	BOOL	Index.#.RegistrationWindowEnable
123(7Bh)	1-57(39h)	13(0Dh)	DEST	Index.#.Initiate
123(7Bh)	1-57(39h)	14(0Eh)	SOURCE	Index.#.LimitDistHit
123(7Bh)	1-57(39h)	15(0Fh)	BOOL	Index.#.PLSEnable
123(7Bh)	1-57(39h)	16(10h)	UINT32	Index.#.PlsOffDist
123(7Bh)	1-57(39h)	17(11h)	UINT32	Index.#.PlsOnDist
123(7Bh)	1-57(39h)	18(12h)	INT32	Index.#.RegistrationOffset
123(7Bh)	1-57(39h)	19(13h)	UINT32	Index.#.RegistrationWindowEnd
123(7Bh)	1-57(39h)	20(14h)	UINT32	Index.#.RegistrationWindowStart
123(7Bh)	1-57(39h)	21(15h)	DEST	Index.#.SensorTrigger
123(7Bh)	1-57(39h)	22(16h)	UINT16	Index.#.TimeBase
123(7Bh)	1-57(39h)	23(17h)	SOURCE	Index.#.PLSStatus
123(7Bh)	1-57(39h)	24(18h)	UINT16	Index.#.Type
123(7Bh)	1-57(39h)	25(19h)	UINT32	Index.#.Vel
123(7Bh)	1	27(1Bh)	SOURCE	Index.ProfileLimited
123(7Bh)	1-57(39h)	28(1Ch)	INT32	Index.#.IndexTime
123(7Bh)	1	29(1Dh)	DEST	Index.ResetProfileLimited
123(7Bh)	1-57(39h)	30(1Eh)	UINT16	Index.#.AnalogOperator
123(7Bh)	1-57(39h)	31(1Fh)	UINT16	Index.#.RegistrationType
123(7Bh)	1-57(39h)	32(20h)	BOOL	Index.#.TimedIndexEnable
125(7Dh)	1	1(01h)	SOURCE	Program.AnyActive
125(7Dh)	1	2(02h)	SOURCE	Program.AnyComplete
126(7Eh)	1-100(64h)	1(01h)	DEST	Program.#.Initiate
126(7Eh)	1-100(64h)	2(02h)	SOURCE	Program.#.ProgramComplete
126(7Eh)	1-100(64h)	3(03h)	DEST	Program.#.Stop
126(7Eh)	1-100(64h)	4(04h)	SOURCE	Program.#.ProgramRunning
126(7Eh)	1-100(64h)	5(05h)	BOOL	Program.#.RunAnytimeEnable
128(80h)	1	1(01h)	UINT16	DriveAnalogInput.Decimal
128(80h)	1	2(02h)	INT32	DriveAnalogInput.MaxUserValue
128(80h)	1	3(03h)	INT16	DriveAnalogInput.MaxVoltageValue
128(80h)	1	4(04h)	INT32	DriveAnalogInput.MinUserValue
128(80h)	1	5(05h)	INT16	DriveAnalogInput.MinVoltageValue
128(80h)	1	6(06h)	INT16	DriveAnalogInput.RawValue
128(80h)	1	7(07h)	DEST	DriveAnalogInput.SetMax
128(80h)	1	8(08h)	DEST	DriveAnalogInput.SetMin
128(80h)	1	9(09h)	INT32	DriveAnalogInput.ValueIn
128(80h)	1	10(0Ah)	UINT16	DriveAnalogInput.LowPassFilterFrequency
128(80h)	1	11(0Bh)	BOOL	DriveAnalogInput.ChannelEnable
128(80h)	1	12(0Ch)	BOOL	DriveAnalogInput.ModuleDestinationEnable
129(81h)	1-2(02h)	3(03h)	UINT16	DriveAnalogOutput.#.Source
129(81h)	1-2(02h)	4(04h)	INT16	DriveAnalogOutput.#.Feedback
129(81h)	1-2(02h)	6(06h)	BOOL	DriveAnalogOutput.#.ChannelEnable
129(81h)	1-2(02h)	7(07h)	INT32	DriveAnalogOutput.#.MaxUserValue
129(81h)	1-2(02h)	8(08h)	INT32	DriveAnalogOutput.#.MaxOutputValue
129(81h)	1-2(02h)	9(09h)	INT32	DriveAnalogOutput.#.MinUserValue
129(81h)	1-2(02h)	10(0Ah)	INT32	DriveAnalogOutput.#.MinOutputValue
130(82h)	1-8(08h)	1(01h)	INT32	Queue.#.DataIn
130(82h)	1-8(08h)	2(02h)	INT32	Queue.#.DataOut

130(82h)	1-8(08h)	3(03h)	SOURCE	Queue.#.QueueEmpty
130(82h)	1-8(08h)	4(04h)	SOURCE	Queue.#.QueueFull
130(82h)	1-8(08h)	5(05h)	SOURCE	Queue.#.QueueOverflow
130(82h)	1-8(08h)	6(06h)	INT32	Queue.#.ExitPosition
130(82h)	1-8(08h)	7(07h)	UINT16	Queue.#.FullLevel
130(82h)	1-8(08h)	8(08h)	DEST	Queue.#.QueueClear
130(82h)	1-8(08h)	9(09h)	DEST	Queue.#.QueueCompareEnable
130(82h)	1-8(08h)	10(0Ah)	SOURCE	Queue.#.QueueExit
130(82h)	1-8(08h)	11(0Bh)	UINT16	Queue.#.QueueSize
130(82h)	1-8(08h)	12(0Ch)	UINT16	Queue.#.Source
130(82h)	1-8(08h)	13(0Dh)	INT32	Queue.#.QueueOffset
131(83h)	1-8(08h)	1(01h)	DEST	Capture.#.CaptureActivate
131(83h)	1-8(08h)	3(03h)	INT32	Capture.#.CapturedMasterPosition
131(83h)	1-8(08h)	4(04h)	INT32	Capture.#.CapturedPositionCommand
131(83h)	1-8(08h)	5(05h)	INT32	Capture.#.CapturedPositionFeedback
131(83h)	1-8(08h)	6(06h)	INT32	Capture.#.CapturedTime
131(83h)	1-8(08h)	7(07h)	DEST	Capture.#.CaptureEnable
131(83h)	1-8(08h)	8(08h)	DEST	Capture.#.CaptureReset
131(83h)	1-8(08h)	9(09h)	SOURCE	Capture.#.CaptureTriggered
131(83h)	1-8(08h)	10(0Ah)	INT32	Capture.#.CapturedMasterPosHomed
132(84h)	1-255(FFh)	1(01h)	UINT16	Var.#.Decimal
132(84h)	1-255(FFh)	2(02h)	INT32	Var.#.Value
133(85h)	1	2(02h)	DEST	Gear.Activate
133(85h)	1	3(03h)	INT32	Gear.Ratio
133(85h)	1	4(04h)	SOURCE	Gear.AtVel
133(85h)	1	5(05h)	SOURCE	Gear.CommandComplete
133(85h)	1	6(06h)	SOURCE	Gear.CommandInProgress
133(85h)	1	7(07h)	BOOL	Gear.AccelEnable
133(85h)	1	8(08h)	SOURCE	Gear.Accelerating
133(85h)	1	9(09h)	UINT32	Gear.Accel
133(85h)	1	11(0Bh)	BOOL	Gear.DecelEnable
133(85h)	1	12(0Ch)	SOURCE	Gear.Decelerating
133(85h)	1	13(0Dh)	UINT32	Gear.Decel
133(85h)	1	15(0Fh)	INT32	Gear.RecoveryDist
133(85h)	1	16(10h)	UINT16	Gear.Direction
133(85h)	1	20(14h)	BOOL	Gear.UseScaleEnable
133(85h)	1	21(15h)	INT32	Gear.ScaleNumerator
133(85h)	1	22(16h)	INT32	Gear.ScaleDenominator
134(86h)	1-2(02h)	1(01h)	DEST	Profile.#.MotionStop
134(86h)	1-2(02h)	2(02h)	INT32	Profile.#.PosnCommand
134(86h)	1-2(02h)	3(03h)	INT32	Profile.#.VelCommand
134(86h)	1-2(02h)	4(04h)	SOURCE	Profile.#.Accelerating
134(86h)	1-2(02h)	5(05h)	SOURCE	Profile.#.AtVel
134(86h)	1-2(02h)	6(06h)	SOURCE	Profile.#.Decelerating
134(86h)	1-2(02h)	7(07h)	SOURCE	Profile.#.CommandInProgress
134(86h)	1-2(02h)	8(08h)	SOURCE	Profile.#.CommandComplete
134(86h)	1-2(02h)	9(09h)	DEST	Profile.#.Feedhold
135(87h)	1-5(05h)	1(01h)	UINT32	BitRegister.#.Value
135(87h)	1-5(05h)	2(02h)	UINT32	BitRegister.#.ValueMask
136(88h)	1-320(40h)	1(01h)	BOOL	Bit.#.BitValue

145(91h)	1-8(08h)	1(01h)	UINT16	Timer.#.TimerType
145(91h)	1-8(08h)	2(02h)	UINT16	Timer.#.TimerTimebase
145(91h)	1-8(08h)	3(03h)	UINT32	Timer.#.TimerPreset
145(91h)	1-8(08h)	4(04h)	UINT32	Timer.#.TimerElapsedTime
145(91h)	1-8(08h)	5(05h)	DEST	Timer.#.TimerInput
145(91h)	1-8(08h)	6(06h)	DEST	Timer.#.TimerReset
145(91h)	1-8(08h)	7(07h)	SOURCE	Timer.#.TimerActive
145(91h)	1-8(08h)	8(08h)	SOURCE	Timer.#.TimerOutput
145(91h)	1-8(08h)	9(09h)	DEST	Timer.#.TimerEnable
149(95h)	1	1(01h)	SOURCE	TorqueMode.CommandComplete
149(95h)	1	2(02h)	SOURCE	TorqueMode.CommandInProgress
149(95h)	1	3(03h)	DEST	TorqueMode.Activate
149(95h)	1	4(04h)	INT32	TorqueMode.TorqueCommand
149(95h)	1	5(05h)	BOOL	TorqueMode.VelocityLimitEnable
149(95h)	1	6(06h)	INT32	TorqueMode.VelocityLimit
149(95h)	1	7(07h)	INT32	TorqueMode.TorqueModeHysteresis
149(95h)	1	8(08h)	BOOL	TorqueMode.AccelEnable
149(95h)	1	9(09h)	UINT32	TorqueMode.Accel
149(95h)	1	10(0Ah)	BOOL	TorqueMode.DecelEnable
149(95h)	1	11(0Bh)	UINT32	TorqueMode.Decel
149(95h)	1	12(0Ch)	SOURCE	TorqueMode.VelLimitActive
151(97h)	1-4(04h)	1(01h)	UINT16	PackedBits.ControlWord.#.Value
152(98h)	1-4(04h)	1(01h)	UINT16	PackedBits.StatusWord.#.Value

Parameters for: EP-IDN and Ei-DN

Class	Instance	Attribute	Data Type	Data Type
100(64h)	1(01h)	1(01h)	INT	Analog Output - Channel 1
100(64h)	2(02h)	1(01h)	INT	Analog Output - Channel 2
100(64h)	1(01h)	2(02h)	DINT	Analog Output 1 Offset (user units)
100(64h)	2(02h)	2(02h)	DINT	Analog Output 2 Offset (user units)
100(64h)	1(01h)	3(03h)	DINT	Analog Output 1 Scale (user units/volt)
100(64h)	2(02h)	3(03h)	DINT	Analog Output 2 Scale (user units/volt)
100(64h)	1(01h)	4(04h)	WORD	Analog Output 1 Select
100(64h)	2(02h)	4(04h)	WORD	Analog Output 2 Select
100(64h)	1(01h)	5(05h)	WORD	Analog Output 1 MinMax Mode
100(64h)	2(02h)	5(05h)	WORD	Analog Output 2 MinMax Mode
100(64h)	1(01h)	6(06h)	DINT	Analog Output 1 Max Value
100(64h)	2(02h)	6(06h)	DINT	Analog Output 2 Max Value
100(64h)	1(01h)	7(07h)	INT	Analog Output 1 Max Voltage
100(64h)	2(02h)	7(07h)	INT	Analog Output 2 Max Voltage
100(64h)	1(01h)	8(08h)	DINT	Analog Output 1 Min Value
100(64h)	2(02h)	8(08h)	DINT	Analog Output 2 Min Value
100(64h)	1(01h)	9(09h)	INT	Analog Output 1 Min Voltage
100(64h)	2(02h)	9(09h)	INT	Analog Output 2 Min Voltage
101(65h)	1(01h)	1(01h)	BOOL	Execute Clear Fault
101(65h)	1(01h)	2(02h)	BOOL	Execute Read Base Drive NVM to RAM
101(65h)	1(01h)	3(03h)	BOOL	Execute Stop All Motion
101(65h)	1(01h)	4(04h)	BOOL	Execute Write Base Drive RAM to NVM

102(66h)	2(02h)	1(01h)	WORD	Fault 1 Code
102(66h)	11(0Bh)	1(01h)	WORD	Fault 10 Code
102(66h)	3(03h)	1(01h)	WORD	Fault 2 Code
102(66h)	4(04h)	1(01h)	WORD	Fault 3 Code
102(66h)	5(05h)	1(01h)	WORD	Fault 4 Code
102(66h)	6(06h)	1(01h)	WORD	Fault 5 Code
102(66h)	7(07h)	1(01h)	WORD	Fault 6 Code
102(66h)	8(08h)	1(01h)	WORD	Fault 7 Code
102(66h)	9(09h)	1(01h)	WORD	Fault 8 Code
102(66h)	10(0Ah)	1(01h)	WORD	Fault 9 Code
102(66h)	2(02h)	2(02h)	UINT	Fault 1 Power Up Count
102(66h)	11(0Bh)	2(02h)	UINT	Fault 10 Power Up Count
102(66h)	3(03h)	2(02h)	UINT	Fault 2 Power Up Count
102(66h)	4(04h)	2(02h)	UINT	Fault 3 Power Up Count
102(66h)	5(05h)	2(02h)	UINT	Fault 4 Power Up Count
102(66h)	6(06h)	2(02h)	UINT	Fault 5 Power Up Count
102(66h)	7(07h)	2(02h)	UINT	Fault 6 Power Up Count
102(66h)	8(08h)	2(02h)	UINT	Fault 7 Power Up Count
102(66h)	9(09h)	2(02h)	UINT	Fault 8 Power Up Count
102(66h)	10(0Ah)	2(02h)	UINT	Fault 9 Power Up Count
102(66h)	2(02h)	3(03h)	UDINT	Fault 1 Power Up Time
102(66h)	11(0Bh)	3(03h)	UDINT	Fault 10 Power Up Time
102(66h)	3(03h)	3(03h)	UDINT	Fault 2 Power Up Time
102(66h)	4(04h)	3(03h)	UDINT	Fault 3 Power Up Time
102(66h)	5(05h)	3(03h)	UDINT	Fault 4 Power Up Time
102(66h)	6(06h)	3(03h)	UDINT	Fault 5 Power Up Time
102(66h)	7(07h)	3(03h)	UDINT	Fault 6 Power Up Time
102(66h)	8(08h)	3(03h)	UDINT	Fault 7 Power Up Time
102(66h)	9(09h)	3(03h)	UDINT	Fault 8 Power Up Time
102(66h)	10(0Ah)	3(03h)	UDINT	Fault 9 Power Up Time
102(66h)	0(00h)	8(08h)	DWORD	Fault Status
103(67h)	1(01h)	1(01h)	WORD	Back Off Sensor Before Homing
103(67h)	1(01h)	2(02h)	DINT	End of Home Position
103(67h)	1(01h)	3(03h)	UDINT	Home Acceleration
103(67h)	1(01h)	4(04h)	UDINT	Home Deceleration
103(67h)	1(01h)	5(05h)	UDINT	Home Limit Distance
103(67h)	1(01h)	6(06h)	WORD	Home Limit Distance Enable
103(67h)	1(01h)	7(07h)	DINT	Home Offset
103(67h)	1(01h)	8(08h)	WORD	Home Offset Enable
103(67h)	1(01h)	9(09h)	WORD	Home Reference
103(67h)	1(01h)	10(0Ah)	DINT	Home Velocity
103(67h)	1(01h)	11(0Bh)	WORD	Home Chain to Index Enable
103(67h)	1(01h)	12(0Ch)	UINT	Home Chain to Index
103(67h)	1(01h)	13(0Dh)	WORD	Home Smart Type
104(68h)	1(01h)	1(01h)	UINT	Chain Next
104(68h)	1(01h)	2(02h)	UDINT	Index Acceleration
104(68h)	1(01h)	3(03h)	UINT	Index Control Register
104(68h)	1(01h)	4(04h)	UINT	Index Count
104(68h)	1(01h)	5(05h)	UDINT	Index Deceleration
104(68h)	1(01h)	6(06h)	DINT	Index Distance

104(68h)	1(01h)	7(07h)	UINT	Index Dwell
104(68h)	0(00h)	8(08h)	UINT	Current Index Count
104(68h)	1(01h)	8(08h)	WORD	Index Type
104(68h)	0(00h)	9(09h)	UINT	Current Index Number
104(68h)	1(01h)	9(09h)	UDINT	Index Velocity
104(68h)	0(00h)	10(0Ah)	UINT	Chaining Count
104(68h)	1(01h)	10(0Ah)	DINT	Registration Offset
104(68h)	0(00h)	11(0Bh)	UINT	Current Chaining Count
104(68h)	1(01h)	11(0Bh)	WORD	Index Registration Window Enable
104(68h)	1(01h)	12(0Ch)	DINT	Index Registration Window Start
104(68h)	0(00h)	12(0Ch)	WORD	Infinite Chaining
104(68h)	1(01h)	13(0Dh)	DINT	Index Registration Window End
105(69h)	1(01h)	1(01h)	BOOL	Input Function Active Off Array
105(69h)	1(01h)	2(02h)	BOOL	Input Function Always Active Array
105(69h)	1(01h)	3(03h)	WORD	Input Function Mapping 32
105(69h)	1(01h)	4(04h)	BOOL	Input Function Status Array
105(69h)	0(00h)	8(08h)	WORD	FM Input Function Always Active Bit Map
105(69h)	0(00h)	9(09h)	WORD	FM Input Function Polarity Bit Map
105(69h)	0(00h)	10(0Ah)	WORD	FM Input Function Status Bit Map
106(6Ah)	1(01h)	1(01h)	BOOL	Input Line Debounced Status Array
106(6Ah)	1(01h)	2(02h)	BOOL	Input Line Force On/Off Command Array
106(6Ah)	1(01h)	3(03h)	BOOL	Input Line Force On/Off Enable Array
106(6Ah)	1(01h)	4(04h)	UINT	Input Line Debounce Time
106(6Ah)	1(01h)	5(05h)	BOOL	Input Line Raw Status Array
106(6Ah)	1(01h)	6(06h)	BOOL	Input Line Status Array
106(6Ah)	0(00h)	8(08h)	WORD	Input Lines Debounced Bit Map
106(6Ah)	1(01h)	9(09h)	BOOL	Drive Enable Input Debounced Status
106(6Ah)	0(00h)	9(09h)	UINT	Input Lines Override Active
106(6Ah)	1(01h)	10(0Ah)	BOOL	Drive Enable Input Raw Status
106(6Ah)	0(00h)	10(0Ah)	UINT	Input Lines Override Status
106(6Ah)	1(01h)	11(0Bh)	BOOL	Drive Enable Input Status
106(6Ah)	0(00h)	11(0Bh)	WORD	Input Lines Raw Bit Map
106(6Ah)	0(00h)	12(0Ch)	WORD	Input Lines Status Bit Map
107(6Bh)	1(01h)	1(01h)	UDINT	Jog Acceleration
107(6Bh)	1(01h)	2(02h)	UDINT	Jog Deceleration
107(6Bh)	1(01h)	3(03h)	UDINT	Jog Fast Velocity
107(6Bh)	1(01h)	4(04h)	UDINT	Jog Velocity
108(6Ch)	1(01h)	1(01h)	UINT	Output Function Mapping 32
108(6Ch)	0(00h)	8(08h)	WORD	FM Output Function Status Bit Map
109(6Dh)	1(01h)	1(01h)	UINT	Output Lines Override Active
109(6Dh)	1(01h)	2(02h)	UINT	Output Lines Override Status
109(6Dh)	1(01h)	3(03h)	WORD	Output Lines Polarity Bit Map
109(6Dh)	1(01h)	4(04h)	WORD	Output Lines Status Bit Map
110(6Eh)	1(01h)	1(01h)	DINT	Following Error
110(6Eh)	1(01h)	2(02h)	WORD	Following Error Enable
110(6Eh)	1(01h)	3(03h)	DINT	Following Error Limit
110(6Eh)	1(01h)	4(04h)	UDINT	Rollover Position
110(6Eh)	1(01h)	5(05h)	WORD	Rollover Position Enable
110(6Eh)	1(01h)	6(06h)	UDINT	In Position Window
110(6Eh)	1(01h)	7(07h)	UINT	In Position Time

111(6Fh)	1(01h)	1(01h)	STRING	Firmware Revision Base
111(6Fh)	1(01h)	2(02h)	STRING	Firmware Revision Option (FM)
111(6Fh)	1(01h)	3(03h)	UINT	Interface Revision Base
111(6Fh)	1(01h)	4(04h)	UINT	Interface Revision Option (FM)
111(6Fh)	1(01h)	5(05h)	UINT	Option 1 ID (Function Module)
111(6Fh)	1(01h)	6(06h)	UINT	Option 2 ID (Anybus 1)
111(6Fh)	1(01h)	7(07h)	UINT	Option 3 ID (Anybus 2)
111(6Fh)	1(01h)	8(08h)	UINT	Product Group
111(6Fh)	1(01h)	9(09h)	UINT	Product ID
111(6Fh)	1(01h)	10(0Ah)	STRING	Product Serial Number
111(6Fh)	1(01h)	11(0Bh)	UINT	Product Sub-Group
112(70h)	1(01h)	1(01h)	UINT	Drive Ambient Temperature
112(70h)	1(01h)	2(02h)	STRING	Drive Axis Name
112(70h)	1(01h)	3(03h)	UINT	Encoder Output
112(70h)	1(01h)	4(04h)	WORD	Encoder Output Enable
112(70h)	1(01h)	5(05h)	WORD	Low DC Bus Enable
112(70h)	1(01h)	6(06h)	WORD	Positive Direction
112(70h)	1(01h)	7(07h)	WORD	Auto Tune
112(70h)	1(01h)	8(08h)	WORD	Auto Tune Status
113(71h)	1(01h)	1(01h)	DINT	Absolute Rotor Position
113(71h)	1(01h)	2(02h)	UINT	Bus Voltage
113(71h)	1(01h)	3(03h)	INT	Commutation Angle Correction
113(71h)	1(01h)	4(04h)	UINT	Commutation Track Angle
113(71h)	1(01h)	5(05h)	INT	Commutation Voltage
113(71h)	1(01h)	6(06h)	DINT	Encoder Counts
113(71h)	1(01h)	7(07h)	UINT	Heatsink RMS
113(71h)	1(01h)	8(08h)	WORD	Motion State
113(71h)	1(01h)	9(09h)	UINT	Power Up Count
113(71h)	1(01h)	10(0Ah)	UDINT	Power Up Time
113(71h)	1(01h)	11(0Bh)	DINT	Rotor Velocity
113(71h)	1(01h)	12(0Ch)	UINT	Segment Display Character
113(71h)	1(01h)	13(0Dh)	INT	Torque Feedback
113(71h)	1(01h)	14(0Eh)	DINT	Total Command Change Out
113(71h)	1(01h)	16(10h)	UDINT	Total Power Up Time
113(71h)	1(01h)	17(11h)	DINT	Velocity Command
113(71h)	1(01h)	18(12h)	UINT	RMS Shunt Power
114(72h)	1(01h)	1(01h)	UINT	Foldback RMS Current Level
114(72h)	1(01h)	2(02h)	INT	Limited Torque Command
114(72h)	1(01h)	3(03h)	INT	Torque Command
114(72h)	1(01h)	4(04h)	UINT	Torque Level 1
114(72h)	1(01h)	5(05h)	UINT	Torque Level 2
114(72h)	1(01h)	6(06h)	UINT	Torque Limit
114(72h)	1(01h)	7(07h)	UINT	Full Scale Torque
114(72h)	1(01h)	8(08h)	UDINT	Torque Mode Max Velocity
114(72h)	1(01h)	9(09h)	INT	Torque Mode Hysteresis
114(72h)	1(01h)	11(0Bh)	WORD	Torque Mode Velocity Limit Enable
115(73h)	1(01h)	1(01h)	WORD	Enable Feedforwards
115(73h)	1(01h)	2(02h)	UINT	Friction
115(73h)	1(01h)	3(03h)	UINT	Load Inertia
115(73h)	1(01h)	4(04h)	WORD	Low Pass Filter Enable

115(73h)	1(01h)	5(05h)	UINT	Low Pass Filter Frequency
115(73h)	1(01h)	6(06h)	DINT	Position Error Integral
115(73h)	1(01h)	7(07h)	WORD	Position Error Integral Enable
115(73h)	1(01h)	8(08h)	UINT	Position Error Integral Time Constant
115(73h)	1(01h)	10(0Ah)	UINT	Response Level
116(74h)	1(01h)	1(01h)	UINT	Acceleration Decimal Point
116(74h)	1(01h)	2(02h)	UINT	Position Decimal Point
116(74h)	1(01h)	3(03h)	UINT	Time Based Indication
116(74h)	1(01h)	4(04h)	UINT	User Unit Definition
116(74h)	1(01h)	5(05h)	STRING	User Unit String
116(74h)	1(01h)	6(06h)	BOOL	UsingUserUnits
116(74h)	1(01h)	7(07h)	UINT	Velocity Decimal Point
117(75h)	1(01h)	1(01h)	UINT	In Motion Velocity
117(75h)	1(01h)	2(02h)	UINT	Overspeed Velocity
117(75h)	1(01h)	3(03h)	UDINT	Stop Deceleration
117(75h)	1(01h)	4(04h)	UDINT	Travel Limit Deceleration
118(76h)	1(01h)	1(01h)	UDINT	Analog Input Accel/Decel Limit
118(76h)	1(01h)	2(02h)	UINT	Analog Input Filter Bandwidth
118(76h)	1(01h)	3(03h)	INT	Analog Input Full Scale
118(76h)	1(01h)	4(04h)	INT	Analog Input Zero Offset
118(76h)	1(01h)	5(05h)	DINT	Analog Input Max Value
118(76h)	1(01h)	6(06h)	INT	Analog Input Max Voltage
118(76h)	1(01h)	7(07h)	DINT	Analog Input Min Value
118(76h)	1(01h)	8(08h)	INT	Analog Input Min Voltage
118(76h)	1(01h)	9(09h)	WORD	AnalPosn Motion Limit Enable
118(76h)	1(01h)	10(0Ah)	DINT	AnalPosn Motion Limit Max
118(76h)	1(01h)	11(0Bh)	DINT	AnalPosn Motion Limit Min
118(76h)	1(01h)	13(0Dh)	WORD	AnalPosn Velocity Limit Starting Enable
118(76h)	1(01h)	14(0Eh)	UDINT	AnalPosn Velocity Limit Starting
118(76h)	1(01h)	15(0Fh)	INT	Analog DeadBand
118(76h)	1(01h)	16(10h)	UINT	AnalPosn Teach Max Bitmap
118(76h)	1(01h)	17(11h)	UINT	AnalPosn Teach Min Bitmap
118(76h)	1(01h)	18(12h)	INT	Analog Input Raw Value
118(76h)	1(01h)	19(13h)	DINT	Analog Position Command
118(76h)	1(01h)	20(14h)	INT	Analog Torque Command
118(76h)	1(01h)	21(15h)	DINT	Analog Velocity Command AltMode
118(76h)	1(01h)	22(16h)	WORD	Analog Input Destination
119(77h)	1(01h)	2(02h)	WORD	Pulse Input Source Select
119(77h)	1(01h)	3(03h)	WORD	Pulse Interpretation
119(77h)	1(01h)	4(04h)	DINT	Pulse Mode Master Distance
119(77h)	1(01h)	5(05h)	UDINT	Pulse Mode Max Follower Acceleration
119(77h)	1(01h)	6(06h)	DINT	Pulse Mode Max Follower Velocity
119(77h)	1(01h)	7(07h)	UINT	Pulse Mode Ratio Denominator
119(77h)	1(01h)	8(08h)	INT	Pulse Mode Ratio Numerator
119(77h)	1(01h)	9(09h)	DINT	Pulse Mode Recovery Distance
119(77h)	1(01h)	10(0Ah)	WORD	Pulse Mode Recovery Distance Enable
120(78h)	1(01h)	1(01h)	WORD	Effective Operating Mode
120(78h)	1(01h)	2(02h)	WORD	Expanded Effective Operating Mode
120(78h)	1(01h)	3(03h)	WORD	Expanded Operating Mode
120(78h)	1(01h)	4(04h)	WORD	Operating Mode

120(78h)	1(01h)	5(05h)	WORD	Operating Mode Alternative Default
120(78h)	1(01h)	6(06h)	WORD	Alternate Mode Enable