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TOLERANCES UNLESS OTHERWISE STATED  
HOLE DIAMETERS SIZE TO PLUS.  
DIMENSIONS IN mm

	Name	Signature	Date
Original Author	Refer to original EDCR		11/08/2003
Last Modified by	Phil Townsend		16/02/2022
Approved by	Graham Davis		24/02/2016

**FOR EFFECTIVITY DATE REFER TO EDCR**

25	22233	Option DA12 (-2 to +2 V) added
24	19217	Updated for Orbit3
23	18909	Cable lengths added – 3m up to 5m
22	18807	Pin out for Voltage connection option 05 added
21	18689	Pin out for PT100 connection option 03 added.
20	18670	Pin Out 06 added (compatible to Seewald pressure sensor (type PR33X/3bar/81306.10)
19	18449	Current connection option added to 03
18	18302	05 Wiring added for PT100
17	17663	Rationalisation of wiring
16	17663	4-20 mA (non loop) added. Titles amended
15	17292	Connections option 05 clarified
14	17257	Addition of extra cable lengths (1.5 ; 2.0 ; 2.5)
13	16917	Addition of 3 m cable length
12	16975	Addition of option 11 to configurator
11	16755	Clarification of pin colours. Pin option for 01 added.
10	16773	Addition of Pinout for 3-pin plug 4-20 mA
9	16756	Addition of Euraltech (Mecalix) connections + 5-way DIN Socket
Issue	EDCR	Change Comments - for detailed information refer to EDCR.

Document summary:

Analogue Input Module Ordering Guide

**Document Types: WI, OP, FORM, PS, TS, ES**

Title	Number
Analogue Input Module Ordering Guide	502517



**Form No: 502517 Analogue Input Module Ordering Guide**



(Denotes Orbit3)

**Input – xx**

0	0	4 to 20 mA	1	0	PT100 –50 to +850 °C
0	1	0 to +5 V	1	1	PT100 –20 to +70 °C
0	2	0 to +10 V	1	2	-2 to +2 V
0	3	-5 to +5 V			
0	4	-10 to +10 V			
0	5	±20 mA			
0	6	4 to 20 mA Current Loop			
0	7	0 to +24 V			
0	8	-1 to +1 V			
0	9	PT100 –50 to +250 °C			

**Cable Length – a.bc (m)**

0	1	5	0.15m	1	5	0	1.50m	3	5	0	3.50m *
0	3	0	0.30m	2	0	0	2.00m	4	0	0	4.00m *
0	5	0	0.50m	2	5	0	2.50m	4	5	0	4.50m *
1	0	0	1.00m	3	0	0	3.00m	5	0	0	5.00m *

NB: Longer cable lengths may affect performance.  
If in doubt, check with Sales Office or Distributor.

\* These lengths are not suitable for types DA08, DA09, DA10 and DA11.

**Cable Type – x**

1	PUR – Black (was Green on Orbit2)
2	Braided
3	Pur – Black

**Connections - yy**

0	0	Flying Leads		
0	1	3 Way 180° DIN Plug	<b>Current/Current Loop</b> Pin 1 Black (Common) Pin 2 Yellow (Loop supply) Pin 3 Green (Input) Case Screen	<b>+/- Voltage Pin Out</b> Pin 1 White (Positive Input) Pin 2 Black (Common) Pin 3 Blue (Negative Input) Case Screen
0	2	3 Way 180° DIN Socket		
0	3	5 Way 240° DIN Plug	<b>Current/Current Loop</b> Pin 1 Yellow (Loop supply) Pin 2 Green (Input) Pin 3 Black (Common) Case Screen	<b>+/- Voltage Pin Out</b> Pin 3 Blue (Negative Input) Pin 4 Black (0V) Pin 5 White (Positive Input) Case Screen
			<b>PT100</b> Pin 1 Red (±2.5V reference) Pin 2 Blue (-ve voltage input) Pin 3 Black (0V common) Pin 5 White (+ve voltage input) Case Screen	
0	4	Euraltech (Mecalix) label 5 Pin	<b>Current/Current Loop (Euraltech)</b> Pin 1 Yellow (Loop supply) Pin 2 Green (Input) Pin 3 Black (Common) Case Screen	<b>0-Voltage Pin Out (Euraltech)</b> Pin 4 Blue (Negative Input) Pin 4 Black (0V) Pin 5 White (Positive Input) Case Screen
0	5	5 Way 240° DIN Socket	<b>Current/Current Loop</b> Pin 1 Yellow (Loop supply) Pin 2 Green (Input) Pin 3 Black (Common) Case Screen	<b>+/- Voltage Pin Out</b> Pin 3 Blue (Negative Input) Pin 4 Black (0V) Pin 5 White (Positive Input) Case Screen
			<b>PT100</b> Pin 1 Red (±2.5V reference) Pin 2 Blue (-ve voltage input) Pin 3 Black (0V common) Pin 5 White (+ve voltage input) Case Screen	

**Key:** W = Wires; PL = Plug; SKT = Socket

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0	6
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Compatible to  
Seewald pressure  
sensor (type  
PR33X/3bar/8130  
6.10)

5 Way 240°  
DIN Socket

Current/Current Loop	
Pin 1	GND Black (Common)
Pin 2	Output 4-20mA Green (input)
Pin 3	Vcc Yellow (loop supply)
Case	Screen

Analogue Input Module Description

				RANGE INFO								Termination			Use these characters as required for special information													
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
A	I	M		0	-	5	V					W																
				0	-	1	0	V				P	L															
				0	-	2	4	V				S	K	T														
				+	/	-	1	V																				
				+	/	-	5	V																				
				+	/	-	1	0	V																			
				4	-	2	0	m	A																			
				+	/	-	2	0	m	A																		
A	I	M		P	T	1	0	0			-	5	0		T	O		+	2	5	0	D	E	G	C		W	
A	I	M		P	T	1	0	0			-	5	0		T	O		+	8	5	0	D	E	G	C		W	

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