Features

- System Board for Honeywell Experion PKS, Series C
- For 16-channel cards CC-TAIX01/11 (AI) and CC-TAOX01/11 (AO)
- For 16 modules
- Recommended modules: HiD2029SK (AI), HiD2081 (Temp.), HiD2031 (AO)
- Recommended system cable: CA-HWC300-AIO-DIO-*M
- 24 V DC supply
- Hazardous area: pluggable screw terminals, blue
- Safe area: Sub-D connector (male), 37-pin

Function

The Termination Board has 16 plug-in slots.

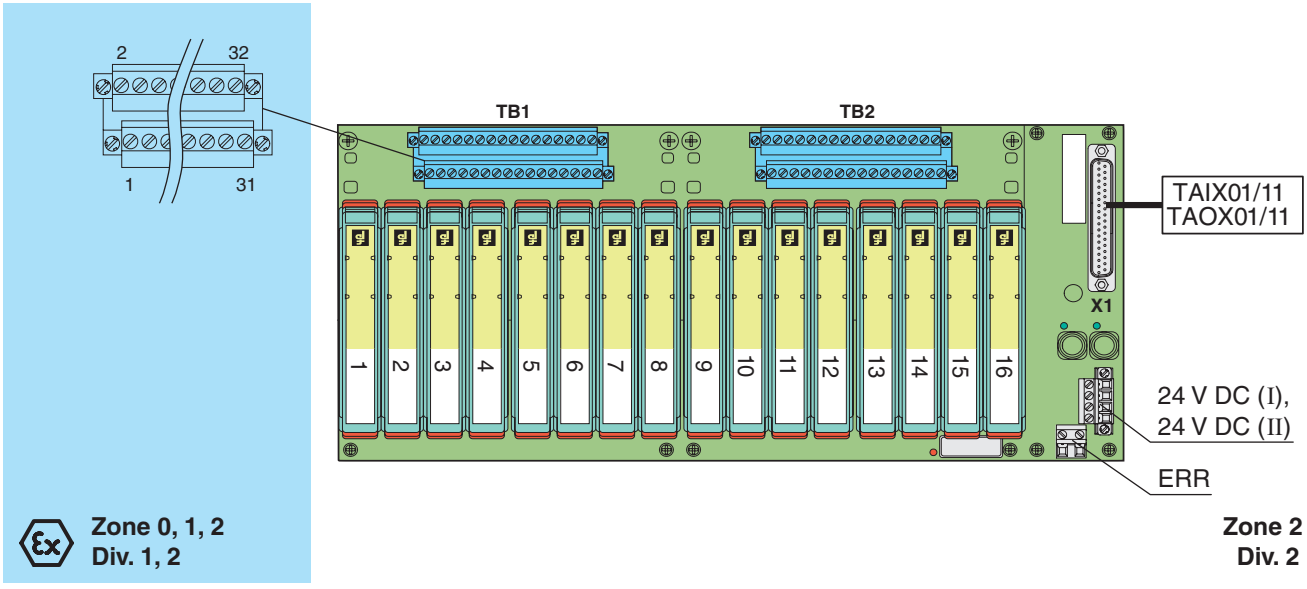
The function of the Termination Board as well as the connector pin assignment exactly fit the requirement of Honeywell systems.

Information about missing supply voltage of the interface modules is available for the system as potential free relay contact. Wiring errors from field will be reported if the interface module supports this function.

The Termination Boards are supplied with a robust glass fibre reinforced plastic housing as standard. This design permits the fast and reliable installation in the switch cabinet.

Assembly

Connection



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Supply	
Connection	terminal block TB3 (1-, 2+; 3-, 4+)
Rated voltage	24 V DC , in consideration of rated voltage of used isolated barriers
Voltage drop	0.9 V , voltage drop across the series diode on the Termination Board must be considered
Ripple	≤ 10 %
Fusing	4 A
Power loss	≤ 500 mW , without modules
Reverse polarity protected	yes
Redundancy	
Supply	Redundancy available. The supply for the modules is decoupled, monitored and fused.
Output	
Connection	terminal block TB4 (1, 2), error message output, NO contact
Fault signal	max. 30 V AC/40 V DC, 2 A
Indicators/settings	
Display elements	LEDs PWR ON (power supply) - LED power supply I, green LED - LED power supply II, green LED LED Fault (fault indication), red LED
Directive conformity	
Electromagnetic compatibility	
Directive 2004/108/EC	EN 61326-1:2006
Conformity	
Electromagnetic compatibility	NE 21:2006
Protection degree	IEC 60529
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Storage temperature	-40 ... 70 °C (-40 ... 158 °F)
Mechanical specifications	
Protection degree	IP20
Connection	hazardous area connection (field side): plugable screw terminals, blue safe area connection (control side): 37-pin Sub-D connector (male)
Material	housing: polycarbonate, 30 % fiberglass reinforced
Mass	approx. 1000 g
Dimensions	357 x 155 x 153 mm (L x W x H) , height including module assembly
Mounting	on 35 mm DIN mounting rail acc. to DIN EN 60715
Data for application in connection with Ex-areas	
EC-Type Examination Certificate	CESI 11 ATEX 062 , for additional certificates see www.pepperl-fuchs.com
Group, category, type of protection	⟨Ex⟩ II (1)G [Ex ia Ga] IIC ⟨Ex⟩ II (1)D [Ex ia Da] IIIC ⟨Ex⟩ I (M1) [Ex ia Ma] I
Safe area	
Maximum safe voltage	250 V (Attention! U_m is no rated voltage.)
Electrical isolation	
Field circuit/control circuit	safe galvanic isolation acc. to IEC 60079-11, voltage peak value 375 V
Directive conformity	
Directive 94/9/EC	EN 60079-0:2009, EN 60079-11:2007, EN 60079-26:2007 , EN 61241-11:2006 , EN 50303:2000
International approvals	
IECEx approval	IECEx CES 11.0022
Approved for	[Ex ia Ga] IIC [Ex ia Da] IIIC [Ex ia Ma] I
General information	
Supplementary information	EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com.
Accessories	
Designation	provided accessories: Label Carrier HiALC-HI*TF-SET-1** optional accessories: system cable CA-HWC300-AIO-DIO-*M

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Configuration

Pin-out configuration

Board IS term. TB1	**Module** IS terminal	**Board** Position	**Board** Channel	**Module** Non-IS terminal	**System connector** X1
1	1	1	1	11	37
2	4				
3	2			14	19
4	5				
5	1	2	2	11	36
6	4				
7	2			14	18
8	5				
9	1	3	3	11	35
10	4				
11	2			14	17
12	5				
13	1	4	4	11	34
14	4				
15	2			14	16
16	5				
17	1	5	5	11	33
18	4				
19	2			14	15
20	5				
21	1	6	6	11	32
22	4				
23	2			14	14
24	5				
25	1	7	7	11	31
26	4				
27	2			14	13
28	5				
29	1	8	8	11	30
30	4				
31	2			14	12
32	5				

Board IS term. TB2	**Module** IS terminal	**Board** Position	**Board** Channel	**Module** Non-IS terminal	**System connector** X1
1	1	9	9	11	29
2	4				
3	2			14	11
4	5				
5	1	10	10	11	28
6	4				
7	2			14	10
8	5				
9	1	11	11	11	27
10	4				
11	2			14	9
12	5				
13	1	12	12	11	26
14	4				
15	2			14	8
16	5				
17	1	13	13	11	25
18	4				
19	2			14	7
20	5				
21	1	14	14	11	24
22	4				
23	2			14	6
24	5				
25	1	15	15	11	23
26	4				
27	2			14	5
28	5				
29	1	16	16	11	22
30	4				
31	2			14	4
32	5				

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