



HLP-0 08/14 5K

Hazardous Location Products

Combining Safety with Quality you can rely on

When you need hazardous location products, IDEC offers the ultimate in safety. Made to stand up to rough environments time and time again, IDEC products are designed to protect people and equipment, providing the optimum in protection and performance even in the harshest conditions. Whether you're looking for an HMI, a PLC or power supply, relays, switches, barriers, or anything in between, IDEC has what you need!



Programmable Logic Controllers (PLCs)



	FC5A Pentra	FL1E SmartRelay	FT1A SmartAXIS
Ratings	UL/c-UL Class I, Division 2 Groups A, B, C, D, ANSI/ISA 12.12.01-2010	UL/c-UL Class I, Division 2 Groups A, B, C, D ANSI/ISA 12.12.01-2007 FM Class I, Division 2 Groups A, B, C, D Class I, Zone 2 Ex nC IIC	UL/c-UL Class I, Division 2 Groups A, B, C, D ANSI/ISA 12.12.01-2013
Features	<ul style="list-style-type: none"> • Embedded Ethernet CPU • Modbus TCP, RTU and ASCII • 1MB user web page • Email and text notifications • Maximum 512 I/Os • Available in brick (10, 16, 24 I/O) and slim (12, 16, 32 I/O) CPU 	<ul style="list-style-type: none"> • 4 built-in 0-10V analog inputs • 4 built-in 5kHz high-speed inputs • 10A relay outputs • Built-in real time clock • Universal voltage – 12-24V DC, 24V AC/DC, 100-240V AC/DC 	<ul style="list-style-type: none"> • Available in 3.8" PLC + HMI and 12, 24, 40, 48 I/O controllers • Embedded RJ45 Ethernet port • Modbus TCP & RTU • Built-in 2-8 analog inputs • 10A relay contacts • Built-in real time clock • USB maintenance port • SD memory for data logging • Supports remote I/O

www.IDEC.com/plc

Power Supplies



	PS6R	PS5R-S
Ratings	UL/c-UL Class I and II, Division 2 and Class III, Divisions 1 and 2 ANSI/ISA 12.12.01-2013 ABS and GL Marine certifications (pending)	UL/c-UL Class I, Division 2 Groups A, B, C, D ANSI/ISA 12.12.01-2007
Features	<ul style="list-style-type: none"> • Plug-in output modules for additional output voltages • Plug-in branch terminal module for additional terminals • Power Range: 120W, 240W, 480W • Input voltage: 100 to 240V AC (voltage range: 85 to 264V AC/110 to 350V DC) • Power Factor Correction (EN61000-3-2) 	<ul style="list-style-type: none"> • Lightweight and compact in size • Wide power range: 10W-240W • Universal input: 10W to 90W: 85-264V AC/100-370V DC 120W and 240W: 85-264V AC/100-350V DC • Power Factor Correction for 60W to 240W (EN61000-3-2)

www.IDEC.com/powersupplies

6mm Interface relay



	RV8H
Ratings	UL/c-UL Class I, Division 2 Groups A, B, C, D T4A Class I, Zone 2 AEx nA nC IIC T4 Class I, Zone 2 Ex nA nC IIC T4 X Gc
Features	<ul style="list-style-type: none"> • Hazardous location relay for interface applications • Works well in conjunction with PLC and other output devices • Space-saving 6mm width • Screw or spring-clamp terminations • Gold-plated contacts • Pre-assembled relay and DIN mount socket

www.IDEC.com/relays

HMIs



High Performance Series: 5.7" HG2G-5FT, 8.4" & 10.4" HG3G, 12.1" HG4G

Ratings	UL/c-UL Class I, Division 2 Groups A, B, C, D ANSI/ISA 12.12.01 IP66, UL508, ABS, LR, NK, DNV Type 4X & 13	
Features	<ul style="list-style-type: none"> 65,536 color TFT LCD Mounts portrait or landscape Video & audio interface (select units) Super bright: up to 800cd/m² 	<ul style="list-style-type: none"> Supports expansion discrete I/O modules Remote access, monitor & control Serial, Ethernet, & USB port

Basic Series: 5.7" HG2G-5ST 5.7" HG2G-SB 4.6" HG1F

Ratings	UL/c-UL Class I, Division 2 Groups A, B, C, D ANSI/ISA 12.12.01 IP66, UL508 Type 4X & 13	UL/c-UL Class I, Division 2 Groups A, B, C, D ANSI/ISA 12.12.01 IP66, UL508 Type 13	UL/c-UL Class I, Division 2 Groups A, B, C, D ANSI/ISA 12.12.01 IP65, UL508 Type 13
Features	<ul style="list-style-type: none"> 256 Color TFT Operating Voltage: 12-24V DC Brightness: 400cd/m² USB mini B port Built-in Ethernet Port (optional) 1-(RS232, RS485, RS422) 	<ul style="list-style-type: none"> 15 level monochrome Operating voltage: 12 or 24V DC Brightness: 500cd/m² Built-in Ethernet port (optional) 1-(RS232, RS485, RS422) 	<ul style="list-style-type: none"> 16 level monochrome Operating voltage: 24V DC Brightness: 500cd/m² High resolution: 300 x 100 pixels Screen orientation: landscape or portrait RS232 or RS422/RS485 Version

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30mm Pushbuttons, Pilot Lights, Selector Switches



EU2B Pushbuttons

Ratings	UL/c-UL, ATEX Class I, Division 2 Groups A, B, C, D Class I, Zone 1 AEx de IIC and Ex de IIC Type 4X	UL/c-UL, ATEX Class I, Division 2 Groups A, B, C, D Class I, Zone 1 AEx de IIC and Ex de IIC Type 4X
Features	<ul style="list-style-type: none"> Flush, extended & mushroom Contact configuration: 1NO, 1NC, 1NO-1NC, up to 3 contact blocks can be mounted Exposed or finger-safe (IP20) screw terminals 	<ul style="list-style-type: none"> Push-pull or twist release Positive action contacts Red mushroom head, yellow body Exposed or finger-safe (IP20) screw terminals

EU2B Pilot Lights

Ratings	UL/c-UL, ATEX Class I, Division 2 Groups A, B, C, D Class I, Zone 1 AEx de IIC and Ex de IIC Type 4X	UL/c-UL, ATEX Class I, Division 2 Groups A, B, C, D Class I, Zone 1 AEx de IIC and Ex de IIC Type 4X
Features	<ul style="list-style-type: none"> Input voltage: 100/110V AC, 200/220V AC, 24V AC/DC, other voltages available Various illumination colors – amber, green, white, red, yellow and blue Exposed or finger-safe (IP20) screw terminals 	<ul style="list-style-type: none"> 2- and 3-position selectors with maintained & spring return models Contact configurations: 1NO, 1NC, 1NO-1NC, up to 3 contact blocks can be mounted Various circuit configurations available Exposed or finger-safe (IP20) screw terminals

For more information, contact IDEC.

Intrinsically Safe Barriers



	EB3C	EB3N	EB3L
Ratings	UL, FM, CSA, ATEX Class I, II, III, Division 1 Groups A, B, C, D, E, F, G Class I, Zone 0 [AExia] II C UL913, UL60079-0, UL60079-11, UL61010-1	UL, FM, CSA, ATEX, IECEx Class I, II, III, Division 1 Groups A, B, C, D, E, F, G Class I, Zone 0 [AExia] II C UL913, UL60079-0, UL60079-11, UL61010-1	UL, FM, CSA, ATEX Class I, II, III, Division 1 Groups A, B, C, D, E, F, G Class I, Zone 0 [AExia] II C UL913, UL60079-0, UL60079-11, UL61010-1
Features	<ul style="list-style-type: none"> • Dry-contact switches can be connected • 8- and 16-circuit types are available in common wiring types • 1 to 16 channels 	<ul style="list-style-type: none"> • Ensures explosion protection & machine safety in explosive atmosphere • Machine safety system can be built in compliance with ISO13849-1 Cat. 4, Performance level e • Safety input devices applicable in any explosive gas & hazardous areas available 	<ul style="list-style-type: none"> • Compact & lightweight • 8- and 16-channel types are available in common wiring types • 1 to 16 channels

www.IDEC.com/barriers

LED Flood Lamps



	EF1A
Ratings	UL/c-UL, ATEX, IECEx Class I, Zone 1 AEx d IIB T4 Gb IEC60079-0:Ed 6 (2011), IEC60079-1:Ed 6 (2007), IEC60079-31: Ed 1 (2008) EN60079-0 2012, EN60079-1 2007, EN60079-31 2009 ANSI/UL 60079-0:Ed. 5 (2009), ANSI/UL 60079-1. Ed.6 (2009) CSA C22.2 60079-0:2011, CSA C22.2 60079-1:2011
Features	<ul style="list-style-type: none"> • Lens choice: clear or opaque • Choice of narrow or wide beam • Available with adjustable, fixed angle or no mounting bracket • Degree of Protection IP67 / Type 4X (without ON/OFF switch) IP65 / Type 3S (with ON/OFF switch)

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