

VERSATILE LIMITSWITCH



PROFIBUS[®]

DEVICENET[®]

CANOPEN[®]

ASI[®]



EC94/9
ATEX



ROTEX
CONTROLS, INC.

DXLW-DF/ DXLW-CF Weather Proof Limit Switch DEVICENET or CAN OPEN Protocol

- Weather proof type 'W' limit switch box has been designed to overcome lengthy wiring. It is easy to operate, maintain and control.
- The limit switch box is configured to exchange data through field bus using either DEVICENET or CAN OPEN protocol.
- Field bus connectivity is achieved by using 2X2 cable and grounding, 5 core cable.
- Solenoid termination inside enclosure is standard.

COMMUNICATION CHARACTERISTICS

Protocol : DEVICENET or CAN OPEN
 Transmission : Shielded and twisted pair 2X2-wire cable
 Bus Structure : Line or tree using repeaters
 Max # of Slaves : 63
 Input/output per Box : 2 Outputs / 2 Inputs
 Bus Cable Length : 500m at 125 KBD and 100m at 500 KBd
 Field Communication : Dip switch on the circuit board



ELECTRICAL CHARACTERISTICS

Supply Voltage : 24 V DC +/- 10% with max 15% ripple
 Bus Consumption : <100 mA
 Solenoid Consumption : Up to 8 Watts
 Protection : IP 55
 Supply Connection (24V) : M8 socket 4 pin male
 Bus Connection : 5 pin M12-A male
 Ground Connection : Ground screw inside enclosure
 Electromagnetic Compatibility : CE, Directive EMC 89/336/EEC

ORDERING OPTIONS

Series	Switch	Qty. Switches			Conduit Entry		Body/Cover	Protocol		Bracket	Certificates	
DXLW		1	4R	½" NPT	B	Aluminum-Black	DF	DEVICENET	C	CE		
		2	3M	M20X1.5	Y	Aluminum-Yellow	CF	CAN OPEN				
					L	Aluminum-Blue						
					B5	CF8M Stainless Steel						

Refer to Bracket Selection Page

CODE	MAKE	MODEL	RATING
1A	Honeywell	V5SC010EN3D	24 VDC, 5Amp
3A	P & F	NJ2 V3N	8 VDC, 3mA, NC IS
13A	P & F	NBB3 V3 Z4	10-60VDC, 100mA, NO

ORDERING EXAMPLE

- DXLW-13A2-4R-Y-DF
- Weather proof box provided with (2) PEPPERL+FUCHS flat switches, DC output, each with one NO, ½" NPT conduit entries, yellow enclosure. With DEVICENET Protocol.

VERSATILE LIMITSWITCH



DNLF-DF/ DNLF-CF Explosion Proof Limit Switch DEVICENET or CAN OPEN Protocol

- Explosion proof type 'F' limit switch box has been designed to overcome lengthy wiring. It is easy to operate, maintain and control.
- The limit switch box is configured to exchange data through field bus using either DEVICENET or CAN OPEN protocol.
- Field bus connectivity is achieved by using 2X2 cable and grounding, 5 core cable.
- Solenoid termination inside enclosure is standard.

COMMUNICATION CHARACTERISTICS

Protocol	: DEVICENET or CAN OPEN
Transmission	: Shielded and twisted pair 2X2-wire cable
Bus Structure	: Line or tree using repeaters
Max # of Slaves	: 63
Input/output per Box	: 2 Outputs/ 2 Inputs
Bus Cable Length	: 500m at 125 KBD and 100m at 500 KBd
Field Communication	: Dip switch on the circuit board



ELECTRICAL CHARACTERISTICS

Supply Voltage	: 24 V DC +/- 10% with max 15% ripple
Bus Consumption	: <100 mA
Solenoid Consumption	: Up to 8 Watts
Protection	: IP 55
Supply Connection (24V)	: M8 socket 4 pin male
Bus Connection	: 5 pin M12-A male
Ground Connection	: Ground screw on enclosure exterior
Electromagnetic Compatibility	: CE, Directive EMC 89/336/EEC

ORDERING OPTIONS

Series	Switch	Qty. Switches	Conduit Entry	Body/Cover	Protocol	Bracket	Certificates
DNLF		1	4R ½" NPT	B Aluminum-Black	DF DEVICENET	Refer to Bracket Selection Page	CM CMRI
			6R ¾" NPT	Y Aluminum-Yellow	CF CAN OPEN		CC CMRI CCOE
		2	3M M20X1.5	L Aluminum-Blue			C CE
				B5 CF8M Stainless Steel			

CODE	MAKE	MODEL	RATING
1A	Honeywell	V5SC010EN3D	24 VDC, 5Amp
3A	P & F	NJ2 V3N	8 VDC, 3mA, NC IS
13A	P & F	NBB3 V3 Z4	10-60VDC, 100mA, NO

ORDERING EXAMPLE

- DNLF-13A2-4R-Y-DF
- Explosion proof box provided with (2) PEPPERL+FUCHS flat switches, DC output, each with one NO, ½" NPT conduit entries, yellow enclosure. With DEVICENET Protocol



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