

Part Number	Pulser - Connection type	Protection	Impulse connection	
			+	-
80-0001-010	RJ11 socket, 6 way, 4 pin	IP54	4	3
80-0001-020	Binder plug (male), 6 way, DIN	IP67	1	4
80-0001-030	Binder socket (female), 6 way, DIN	IP67	1	4
80-0001-040	Integral 3m cable, LiYCY	IP68	White	Brown
80-0001-050	Fischer socket (female) 4 pin	IP54/IP68*	2	3

*IP68 when mated with Fischer Cable assembly

Maintenance:

CAUTION: CLEAN ONLY WITH A DAMP CLOTH

There are no serviceable parts. Opening the housing will invalidate certification and warranty.

Accessories:

Part Number	Lead - Connection type	For use with	Impulse Connection	
			+	-
W86413-000	Binder socket & 3m lead assembly	80-0001-020	White	Brown
W86423-000	Binder plug & 3m lead assembly	80-0001-030	White	Brown
W06433-000	Fischer plug & 3m lead assembly	80-0001-050	Yellow	Green

Pulse transmitter and lead combinations:

Part Number	Lead	Pulser	Impulse Connection	
			+	-
R01123-000	W86413-000	80-0001-020	White	Brown
R01133-000	W86423-000	80-0001-030	White	Brown

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Wiegand LF Pulse Transmitter Handbook NGS.MI.0038d
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Wiegand LF Pulse Transmitter Series 80-0001-XXX



The Dresser Utility Solutions Wiegand Low Frequency Pulse Transmitter is designed to be used in combination with Roots® Rotary Displacement B Series Gas Meters and is suitable for connection to Dresser® Electronic Volume Converters, such as the model MC2-197 PTZ and pulse isolation devices such as the Dresser® Chatterbox-e, model 103 along with many other hazardous area approved products.

Features:

- Encapsulated Wiegand coil sensor
- Magnetically activated electronic solid state switch
- Simple two wire direct current connection
- Certified for intrinsically safe circuits
- Meets requirements of UK IGEN GM/7A
- Non-intrusive external fitment to the meter index
- Drill holes for lock wire sealing

THESE INSTRUCTIONS PROVIDE THE CUSTOMER/OPERATOR WITH IMPORTANT PROJECT-SPECIFIC REFERENCE INFORMATION IN ADDITION TO THE CUSTOMER/ OPERATOR'S NORMAL OPERATION AND MAINTENANCE PROCEDURES. SINCE OPERATION AND MAINTENANCE PHILOSOPHIES VARY, DRESSER NGS DOES NOT ATTEMPT TO DICTATE SPECIFIC PROCEDURES, BUT TO PROVIDE BASIC LIMITATIONS AND REQUIREMENTS CREATED BY THE TYPE OF EQUIPMENT PROVIDED.

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Certification and operation parameters:

Compliance to:	Directive 2014/32/EU UK S.I. 2016/1107
EU Type approval certificate:	Baseefa17ATEX0043X
UK Type approval certificate:	BAS21UKEX0073X
ATEX Classification Code:	 II 1G Ex ia IIC T4 Ga -20°C ≤ Tamb ≤ 60°C
EU Notified Body marking:	 0598
UK Conformity Assessment Body Marking:	 1180

Housing Colour	White
Housing Material	Acetal
Temperature range	Tamb -20 to 60 °C
Ii	25mA
Ui	30V
Pi	100mW
Ci	13.5nF
Li	30mH
Open resistance	>120MΩ
Closed resistance	< 120Ω
Pulse duration	200ms (meter speed dependant)
Switch service life (at 5vdc/10mA)	Indefinite

Regulatory standards for electrical connection with equipment in the hazardous area should be observed at all times. It is the installers responsibility to ensure compliance.

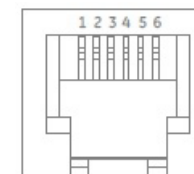
Installation Instruction:

Locate the LF Pulse transmitter in either the left or right hand dedicated port in the Roots® Rotary Displacement B Series Gas Meter index counter. Hold in place by tightening the set screw in the meter index. Connect the appropriate mating cable ensuring correct polarity to the connecting equipment, observing all safety parameters.

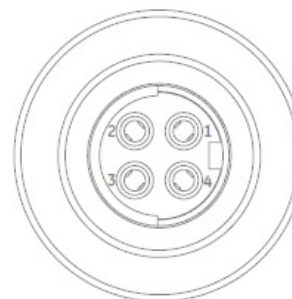


Pin identification:

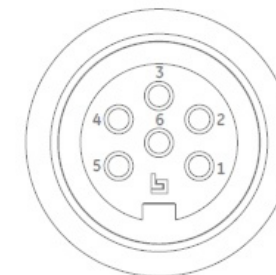
View when looking at the pulser connection.



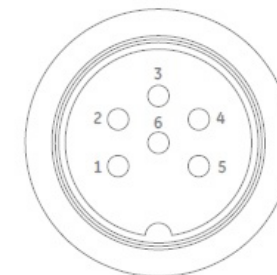
RJ11



FEMALE FISHER



MALE BINDER



FEMALE BINDER