


REDRAVEN™

SMART REPEATER

Model ELD-FA-525-SP or AC enhances signal strength

Flowserve Wireless developed this solar or AC powered/battery backup repeater for signal enhancement. It attains an approximate range of 2.41 km (1.50 mi) for 900 MHz and 1.21 km (0.75 mi) for 868 MHz. Using a multiple Smart Repeater network, effective range is increased to 11.27 km (7.00 mi).



Specifications

Operating frequency	900 or 868 MHz
Repeater function 900 MHz	2.41 km (1.5 mi)
Repeater function 868 MHz	1.21 km (0.75 mi)
Operating temperature	-40°C to 85°C (-40°F to 185°F)
Humidity	0 to 95 non-condensing
Power requirement	110/220 VAC or solar power with battery backup
Consumption	60 mA continuous
Enclosure	Fiberglass NEMA 4X, 445.26 x 392.68 x 158.24 mm (17.53 x 15.46 x 6.23 in) Note: Other sizes available.
Weight (solar power)	6.35 kg (14.00 lb); battery not included
Weight (AC power)	6.58 kg (14.50 lb); battery not included

Flowserve

TX, USA Model: ELD-FA-525-SP/AC Repeater



Ex nA IIC T6

CI I, Div 2, Grp A,B,C,D; CI II, Div2, Grp E,F,G, T6

CI I, Zone 2, A/Ex nA IIC T6 Type 4X

-20°C ≤ Ta ≤ +40°C

Electrical Ratings: 115/230 Vac, 1.3/0.7A, 50-60 Hz

CAUTIONS: OPEN CIRCUIT BEFORE REMOVING COVER.
KEEP COVER TIGHT WHILE CIRCUITS ARE LIVE.
WARNING: SUBSTITUTION OF COMPONENTS MAY
IMPAIR SUITABILITY FOR CLASS I, DIVISION 2.
DO NOT DISCONNECT BATTERY OR EQUIPMENT UNLESS
THE AREA IS KNOWN TO BE NON-HAZARDOUS.
USE ONLY POWER SONIC BATTERY PART NUMBER PS-12180.

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