


**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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