



Novo™ 2Wire Converter

Electric / Mechanical Specifications

Dimensions / Weights

Plastic Cabinet

6.3" H x 7.33" W x 1.78" D (16 cm x 18,6 cm x 4,5 cm)

External Transformer

3.6" H x 2.2" W x 2.75" D (9 cm x 5,5 cm x 4,5 cm)

Plastic External Wall Mount Enclosure available

11.3" H x 9.3" W x 5.3" D (10 cm x 8 cm x 4,7 cm)

Weight

Novo (w/ transformer and packaging) 4.2lbs., (1.90 Kg)

External transformer only 2.8 lbs. (1.27 Kg)

External cabinet – 4.8lbs (2.17 Kg)

Electrical Specifications

Novo 2Wire Converter

Maximum AC input voltage	32 Vac
Maximum continuous 2Wire main path current	1 .2 Amps
Maximum stations (zones) active together	6
Maximum solenoid continuous current*	1.0 Amps (1000mA)
Operating Ambient Temperature Range (full power)	+5 - +40degC
High Temperature Operation	De-rate linearly from 1.2 Amps at 104°F (40°C) to 0.6 Amps at 158°F (70°C)
Humidity	5%-90% non-condensing

*To avoid the Adapter registering a shorted solenoid. Can be adjusted in DIAGNOSTICS, view High/Lo Threshold Dwell screen.

Waterproof to NEMA 4, IP65 (when cables correctly clamped into case)

Novo Terminal Blocks (JP8, 9, 11, 12)

Input voltage to register a station (zone) active	12V-30V AC or DC
Isolation between Sender inputs/common and L1/L2	1000V peak
Isolation from JP8, 9, 11, 12 terminals valve common to valve common	100V AC/DC



Individual Station Decoders

Minimum operating voltage*	13 VAC
Maximum continuous solenoid current from decoder	0.6 Amp (600 mA)
Decoder standby current	2.8 mA (typical)
Station (zone) number range	1 - 63 (inclusive)

*Most solenoids require a minimum of 19V ac to operate

8-Station Universal Senders

Input voltage to register a station (zone) active	12V-30V AC or DC
Isolation between Sender inputs/common and L1/L2	1000V peak
Minimum voltage on L1/L2 of Sender (no stations operating)	20 VAC
Maximum voltage on L1/L2 of Sender	32 Volts
Sender sense standard wires length	9" (230mm)
Sender common standard wire length (white wire)	12" (300mm)