



CONTROLLERS SMARTWIRE® 2-WIRE SYSTEM

SmartWire™ 2-Wire Decoder System

The SmartWire™ 2-Wire Decoder System has the same rich, user-friendly features as the market leading SmartLine® controller.

Decoder Module Features

- Compatible with SmartLink®
- Connections for up to 3 different 2-Wire paths for maximum installation flexibility
- LED display and status lights for programming, operation status, and troubleshooting with error codes
- Programs and operates SmartWire™ SLDEC Series decoders

Warranty

- 3 Years - SmartWire when used with SLWIRE, SLCONN connectors
- 2 Years - SmartWire when used without SLWIRE



SMARTWIRE™ SPECIFICATIONS

MODEL	DESCRIPTION	INTERNATIONAL MODEL
SL9648TW	SmartWire 48-zone 2-Wire Fixed Zone Count	E-SL9648TW
SL9696TW	SmartWire 96-zone 2-Wire Fixed Zone Count	E-SL9696TW

230 VAC/50Hz

SL9600TW

Base # of Zones	48 Fixed / 96 Fixed
Maximum # of Zones	48 / 96
Compatible Expansion Modules	-
Outdoor Rated	✓
Electrical	120VAC
Lock	✓
Programs	4
Start Times	8
Simultaneous Solenoid Operation	5
SmartLink Compatible	✓
Backlit LCD	✓
SmartWire Compatible	✓
ET Based Scheduling	✓
Dimensions	15" W x 16 1/2" H x 5 7/16" D 38.1 cm x 41.9 cm x 13.8 cm
Electrical	Input: 120 VAC/60Hz Output: 24 VAC/2 Amps Fuse: 1.5A slow blow



Save Water. Give Life.
1,000 gallons
given per controller



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Decoder Features

- 1, 2, and 4 valve decoders available
- Decodes signals from controller to open and close valves
- Input voltage 24 - 28 volts from 2-Wire path
- Shock resistant
- Surge protection
- Fully programmable for valve addresses using on-board controller programming feature
- Freeze/heat resistant (-20° to 60°C)
- 14 gauge PVC-coated connecting wires
- Sealed electrical components for protection from water and dirt
- Operates valves to a maximum of 100' (30m) from decoder
- Diagnoses and reports failed solenoids
- Auto shut-down if communication is lost

SLDEC
Valve Decoder



SLGDT
Lightning Arrestor



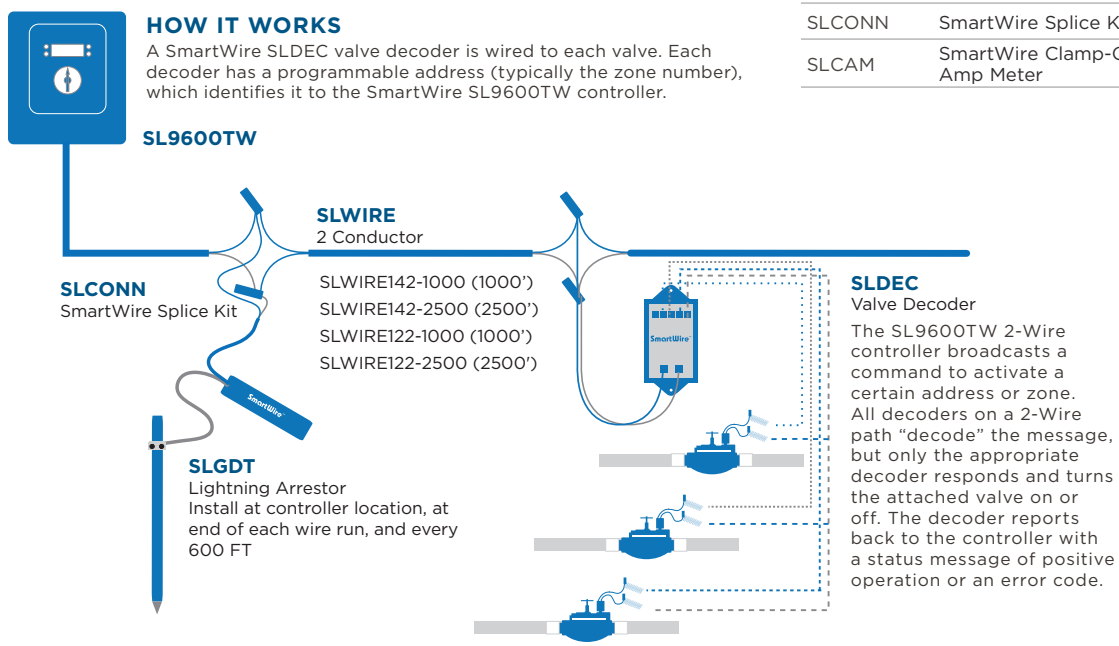
SLCONN
Splice Kit



SMARTWIRE™ ACCESSORIES	
MODEL	DESCRIPTION
SLDEC1	1-Valve Decoder
SLDEC2	2-Valve Decoder
SLDEC4	4-Valve Decoder
SLGDT	Lightning Arrestor
SLCONN	SmartWire Splice Kit
SLCAM	SmartWire Clamp-On Amp Meter

HOW IT WORKS

A SmartWire SLDEC valve decoder is wired to each valve. Each decoder has a programmable address (typically the zone number), which identifies it to the SmartWire SL9600TW controller.



WIRING SIZES				
Straight line configuration, i.e. wire distance to the furthest decoder, no loop:				
Wire Size (Gauge)	#18	#16	#14	#12
Wire Length (ft)	1,000	2,000	4,000	6,000
Wire Length (m)	305	610	1,210	1,829
Loop configuration, i.e. wire distance to the furthest decoder in the loop:				
Wire Size (Gauge)	#18	#16	#14	#12
Wire Length (ft)	2,000	4,000	10,000	10,000
Wire Length (m)	610	1,210	3,048	3,048
Maximum total wire path length is 10,000 ft. (3,048 m).				

SMARTWIRE FAULT CODES	
FAULT CODE	DESCRIPTION
E1	No Decoder Found
E2	2-Wire Over Current
E3	Open Circuit at Solenoid
E4	Short Circuit at Solenoid
E5	Decoder Communication Error
E6	High Temperature Shut Down
E7	Decoder Programming Failure

