

Technical Data

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> SmartWire Module



DESCRIPTION:

Features

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

Code	Article	Description	St.	Progr.
OPG340	SLM48DM	SmartWire module	48	1600

> Decoder SmartWire



DESCRIPTION:

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' (30 m) from decoder
- Diagnoses and reports failed solenoids
- Auto shut-down if communication is lost

Code	Article	Description	St.
OPG341	SLDEC1	Decoder with line protection	1
OPG342	SLDEC2	Decoder with line protection	2
OPG343	SLDEC4	Decoder with line protection	4

Note: decoder modules are complete with resin coated connectors

Code	Article	Description	
OPG351	SLGDT	Anti-lightning protection	

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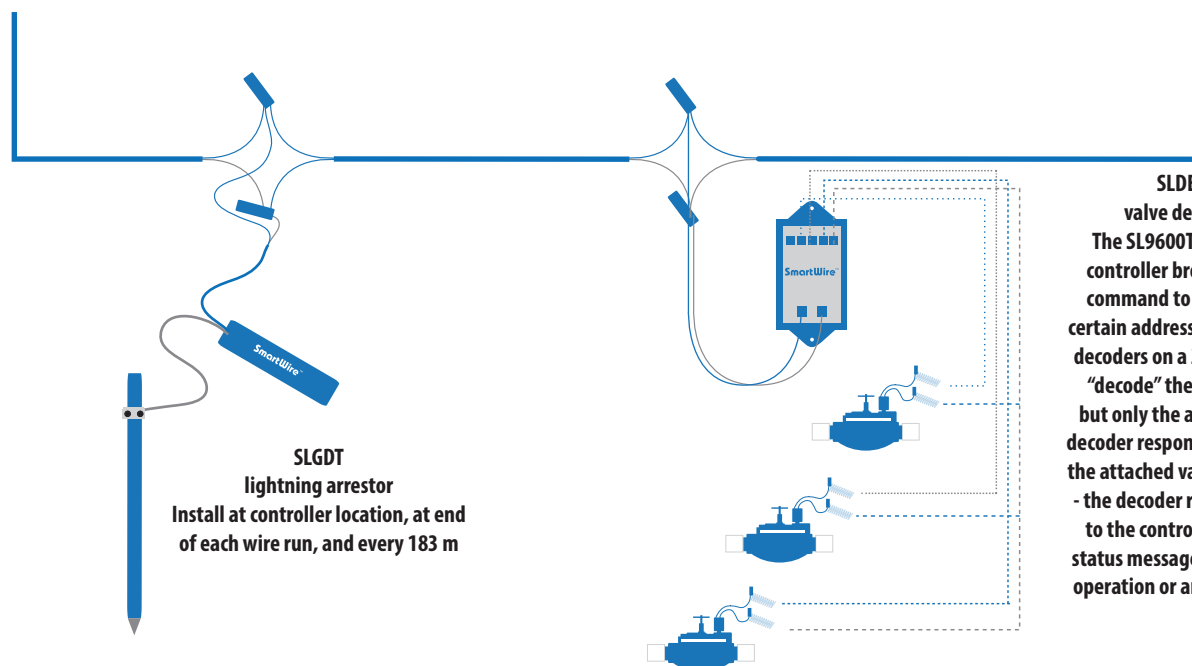
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HOW IT WORKS

Programmer with
SmartWire module



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



SLDEC

valve decoder

The SL9600TW 2-Wire controller broadcasts a command to activate a certain address or zone - all decoders on a 2-Wire path "decode" the message, but only the appropriate decoder responds and turns the attached valve on or off - the decoder reports back to the controller with a status message of positive operation or an error code

MAXIMUM DISTANCES FOR WIRING

Straight line configuration, i.e. wire distance to the furthest decoder, no loop:

Wire Size (Gauge)	#18	#16	#14	#12
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 (m)	610	1.210	3.048	3.048

Landscape