LEIT® X Controller

Ambient-Light Powered Irrigation Controller

Solar Powered

Advanced, Time-Tested Water Management

The LEIT® X is an advanced, self-contained irrigation controller powered entirely by ambient light (solar), providing a cost-effective solution where AC power is unavailable. Available in 10- to 28-station configurations, the LEIT X is designed for commercial, industrial, municipal, and environmental irrigation applications and operates without connection to the power grid.

Features

- Powered by ambient light (solar); no AC power connection required
- Operates **10 to 28 stations plus a master valve or pump start**
- Uses the **LEMA 1700S solenoid actuator**, compatible with most major valve brands using DIG valve adapters
- Easy programming with a **self-guided menu and four durable, sealed buttons**
- Four independent programs with three start times per program
- Monthly water budgeting from **10% to 200%** and rain delay up to **99 days**
- Built-in status, history, and electrical diagnostic reporting
- Bilingual software available in English/Spanish, English/Italian, and English/French
- Rugged, vandal-resistant, weatherproof enclosure designed for demanding outdoor environments
- Four-year manufacturer's warranty

DIG Corporation

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DIG® water matters

LEIT® X Controller

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Designed & manufactured in the USA and assembled in Mexico

All LEIT controllers are 100% tested for quality assurance in our testing facility in Vista, CA.

Uses clean, sustainable solar power

Surrounding ambient light is used to generate electricity, providing power for the controller to operate even without direct sunlight.

No batteries to charge or throw away

Our patented technology stores power in lead-free super capacitors, eliminating the need for AC power or batteries.

Solenoid and Valve Adapters

LEMA 1700S
LEIT solenoid with 11/16 in.-12 UN thread

30-920
BERMAD series 200, HIT series 500, DOROT series 80, GRISWOLD series 2000, DW and BUCKNER series VB valves

30-921
RAIN BIRD DV, DVF, PGA, PEB (3/4 in. and 1 in. only), GB, EFB-CP, BPE, PESB (3/4 in. and 1 in. only) and ASVF valves

30-922
HUNTER series ASV, HPV, ICV, PGV, SRV, IBV and ASVF valves

30-923
WEATHERMATIC series 12000, 21000 valves

30-924
IRRITROL series 100, 200B, 205, 217B, 700, 2400, 2500, 2600 and TORO series 220 and P220 valves

30-925
SUPERIOR series 950, HUNTER HBV and TORO series 252 valves (1 ½ in. and larger)

30-926
RAIN BIRD series PEB and PESB (1 ½ in. and 2 in. only) valves

Valve and Drip Zone Assemblies

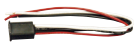
LEMA 170S-075
3/4 in. valve

LEMA 170S-100
1 in. valve

P52-075
30 PSI, 3/4 in. drip zone assembly with LEMA 1700S solenoid and 155-mesh poly screen filter
Recommended flow rate range: 0.10-13 GPM (.37-49 L/H)

Accessories

LEIT KEY
For programming and performing manual runs



SKIT-8821-4
Switch-type sensor adapter for connecting a rain, freeze, moisture or wind sensor

RKIT-8810S
Relay interface kit to switch AC or DC relay circuit to turn on a pump

LEIT® X Controller

LEIT X10
10 stations plus MV/P

LEIT X12
12 stations plus MV/P

LEIT X16
16 stations plus MV/P

LEIT X20
20 stations plus MV/P

LEIT X24
24 stations plus MV/P

LEIT X28
28 stations plus MV/P

Mounting Accessories

MKIT X
Mounting kit

ENCL-X
Stainless steel enclosure

MCOLXS
Mounting column – 35 in. (89 cm)

MCOLXL
Mounting column –51 in. (130 cm)

Maximum Wire Run

Wire gauge		Distance	
18 AWG	.82 mm²	2000 ft.	609 m
16 AWG	1.3 mm²	3500 ft.	1067 m
14 AWG	2 mm²	4500 ft.	1372 m
12 AWG	3.3 mm²	7500 ft.	2286 m

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