

EMS-LD-T7

Wall enclosure with 24 VDC supply

Panel position away from the plant room, with the supply inside the enclosure

Wall enclosure of 318 by 254 by 82.5 mm with a supply inside it, 100 to 240 VAC in at 50/60 Hz and 24 VDC out. It provides one remote panel position, so a controller can be mounted where the runs arrive rather than in the plant room. It exists where the leader and extension lengths would otherwise have to reach back to a distant panel.

ORDERING INFORMATION

Part number	EMS-LD-T7
Function	Wall enclosure with supply
Input	100 to 240 VAC, 50/60 Hz
Output	24 VDC
Enclosure size	318 × 254 × 82.5 mm
Quantity rule	One per remote panel position
Ships as	Enclosure with power supply
Compatible controllers	EMS-LD-C1, EMS-LD-C2, EMS-LD-C4, EMS-LD-C8

SPECIFICATION

Parameter	Value	Notes
Function	Provides a wall-mounted panel position with the supply inside the enclosure	One per remote panel position
AC input	100 to 240 VAC, 50/60 Hz	Field-selectable input range
DC output	24 VDC	Supplies the controller mounted in the enclosure
Enclosure size	318 × 254 × 82.5 mm	The same wall enclosure size published for the eight-channel panel
Quantity rule	One per remote panel position	The number of panel positions sets the quantity
Mounting	Wall mount, NEMA Type 1	Enclosure rating carried; an IP rating is not specified for this product class
Installation position	Within reach of the leader and extension lengths	The leader does not sense, so mounting further away lengthens the unlocated route
Ships as	Enclosure with the power supply fitted	The controller is ordered separately
Operating temperature	0 to +75 °C	Cable assemblies in this series; the terminators and brackets are rated at the same ambient
Storage temperature	–30 to +85 °C	Before installation
Plenum rating	UL CL2P, meets NFPA 262	Cable assemblies in this series; required under a raised floor or in a ceiling air-handling space
Ingress protection	Not specified in this product class	No IP rating is published for the sensing cable or the standard controllers in this class

APPLICATIONS

- Panel position away from the plant room
- One enclosure per remote position, with the supply inside it
- Keeping the unlocated route short
- Mount the enclosure where the runs arrive, not where the power is convenient

COMPATIBLE WITH

- EMS-LD-R1 to EMS-LD-R500 locating rope
- EMS-LD-C1, EMS-LD-C2, EMS-LD-C4, EMS-LD-C8, EMS-LD-C16 controllers
- EMS-LD-X1, EMS-LD-X3, EMS-LD-X4, EMS-LD-X15, EMS-LD-X30 non-sensing cables
- The rest of the EMS-LD-T accessory ladder

INCLUDED IN THE BOX

- Enclosure with power supply
- Packing list carrying the model code
- Installation note giving the quantity rule for this item

SCOPE

- Sensing rope, leader cable and end-of-line terminator only
- No coolant distribution units and no cold plates

ACCESSORY LADDER

Parameter	Value	Notes
EMS-LD-T1	End-of-line terminator	One per supervised loop
EMS-LD-T2	Leader cable and terminator kit, 4.6 m	4.6 m leader, one kit per controller
EMS-LD-T3	Securing clip, pack of 50	Spacing 0.9 to 1.2 m
EMS-LD-T4	Caution tag, pack of 10	Spacing 3 m
EMS-LD-T5	X-connector for cable branching	One per branch, supervision maintained through the branch
EMS-LD-T6	Weighted cable connector	One per cable drop or floor transition
EMS-LD-T7	Wall enclosure with 24 VDC supply	100 to 240 VAC in, 50/60 Hz, 24 VDC out; 318 × 254 × 82.5 mm enclosure
EMS-LD-T8	19-inch rack mounting bracket	482 mm (19 in) rack

NOTES

- Accessories are specified by quantity and function; no failure-rate or lifetime figure is published for them.
- One leader cable and one end-of-line terminator are required per controller; without the terminator a cut cable reads as a quiet loop.
- Securing clips are spaced one every 0.9 to 1.2 m and caution tags one every 3 m, counted from the routed length rather than the floor distance.
- An IP rating is not specified for this product class; the ratings carried across the family are NEMA Type 1 (controller enclosure) and UL CL2P plenum (cable).
- Certification names are published on the badge cards; approval documents are shown on request.
- EMS-Trade Cooling stocks, inspects and packs this item; the model code travels on the packing list so a reorder matches the installed run.

Full specification sheet and current pricing EMS-Trade Cooling · ems-cool.com Typical lead time confirmed on order acknowledgement.	EMS-LD-T7 Rev. A 2026-09-19
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