

# EMS-LD-T1

## End-of-line terminator

Completes a supervised loop so a cut cable is reported instead of reading as a quiet run

Terminator that closes the supervised loop, one required per loop and one per controller. With it the panel supervises cable break and disconnect; without it a cut cable reads as a quiet loop, and the first sign of the fault is a wet floor tile. It is the cheapest part on the order and the one whose absence is invisible.

### ORDERING INFORMATION

|                      |                                                               |
|----------------------|---------------------------------------------------------------|
| Part number          | <b>EMS-LD-T1</b>                                              |
| Function             | <b>End-of-line terminator</b>                                 |
| Quantity rule        | <b>One per supervised loop</b>                                |
| Connection           | <b>4-pin twist-lock, 24.38 mm diameter</b>                    |
| Ships as             | <b>Single unit, twist-lock</b>                                |
| Compatible rope      | <b>EMS-LD-R1 to EMS-LD-R500</b>                               |
| Pre-installed option | <b>A terminator fitted at the works on cut-to-length rope</b> |
| Spares               | <b>One terminator and one leader cable per controller</b>     |

### SPECIFICATION

| Parameter             | Value                                                                          | Notes                                                                                             |
|-----------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Function              | <b>Completes the supervised loop at the far end of the sensing run</b>         | Without it the loop is unsupervised and a cut cable reads as normal                               |
| Quantity rule         | <b>One per supervised loop; one leader plus terminator per controller</b>      | Mandatory item, not an optional accessory                                                         |
| Supervision provided  | <b>Cable break and disconnect are reported</b>                                 | The panel supervises the loop continuity through the terminator                                   |
| Connection            | <b>4-pin twist-lock, 24.38 mm diameter</b>                                     | Mates with the pre-installed rope and leader connectors                                           |
| Construction          | <b>Sealed terminator body, no exposed metal</b>                                | No exposed metal along the completed run                                                          |
| Pre-installed option  | <b>Terminator fitted at the works on cut-to-length rope</b>                    | A long run can arrive ready to supervise                                                          |
| Serviceability        | <b>Replaceable in the field without cutting the run</b>                        | Keep one spare per controller on site                                                             |
| Related assembly      | <b>Fitted with the same 4-pin twist-lock as the rope and leader connectors</b> | The terminator is the last connector on the supervised loop                                       |
| Operating temperature | <b>0 to +75 °C</b>                                                             | Cable assemblies in this series; the terminators and brackets are rated at the same ambient       |
| Storage temperature   | <b>−30 to +85 °C</b>                                                           | Before installation                                                                               |
| Plenum rating         | <b>UL CL2P, meets NFPA 262</b>                                                 | Cable assemblies in this series; required under a raised floor or in a ceiling air-handling space |
| Ingress protection    | <b>Not specified in this product class</b>                                     | No IP rating is published for the sensing cable or the standard controllers in this class         |

## APPLICATIONS

- Completing the supervised loop on every controller channel
- Ordered with the leader as the mandatory pair for a new panel
- Restoring supervision after a terminator is damaged in a rack move
- One spare terminator per controller is the recommended holding

## 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

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

|                                                                                                                                                                                     |                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| <b>Full specification sheet and current pricing</b><br>EMS-Trade Cooling · <a href="https://ems-cool.com">ems-cool.com</a><br>Typical lead time confirmed on order acknowledgement. | <b>EMS-LD-T1</b><br>Rev. A<br>2026-09-19 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|