

## EPI-3000

# Electromagnetic and Surge Protection Interface Module

## Technical Manual



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EPI-3000En100.pdf

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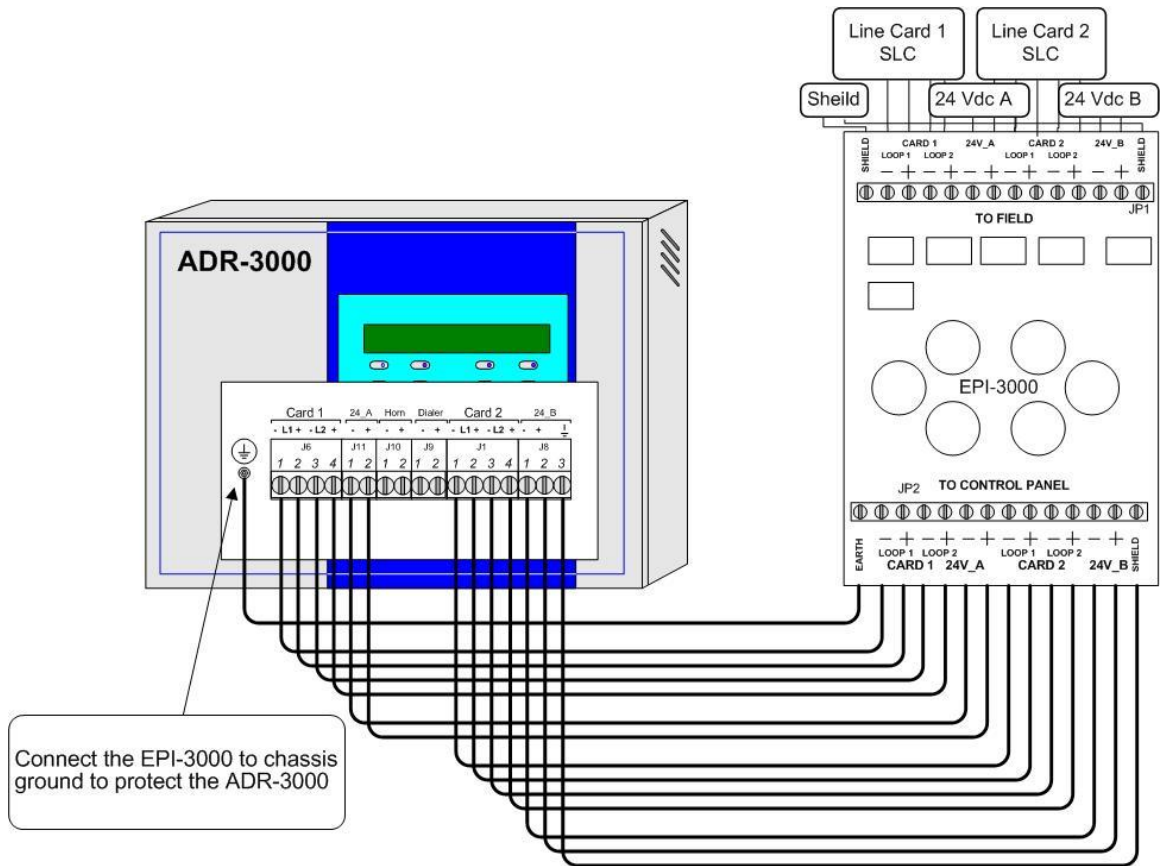
**Note**

Do not install, operate, and maintain this product before fully reading this manual.

# 1 Introduction

Industrial installations may have strong electromagnetic interference. Install Telefire's EPI-3000 Electromagnetic and Surge Protection Interface Module in order to isolate the SLC loops and 24 Vdc outputs from electromagnetic interference. One EPI-3000 module will isolate all four loops, and both 24 Vdc outputs (24V\_A and 24V\_B) of a single control panel.

When installing a system at a site adjacent to high power cables, heavy industrial machinery, or any kind of high electromagnetic fields, shielded cables should be used in the SLC loops and an EPI-3000 module should be connected to each ADR-3000.



**Figure 1 EPI-3000 Electromagnetic and Surge Protection Interface Module**

## 2 Specification

Module PCB dimensions (W / H)..... 109 / 85 mm  
Weight ..... 128 gr.  
Operating Temperature range..... -10°C – +60°C (14°F – 140°F)

**All values are nominal. Specifications are subject to change without prior notice**

## 3 Certification

Telefire’s EPI-3000 Electromagnetic and Surge Protection Interface Module

- EN-54 Approved
- SI 1220 Approved
- UL 864 Approved
- GOST Approved
- CP-10 Approved