



## Overview

Satellite is a UL Listed distributed lighting control expander. This compact junction box mounted package provides additional input and output capacity on the Satellite / Station Network. Satellite is available for switching and dimming applications.

## Features

UL Listed and Plenum Rated  
Resides on Satellite / Station Network with Capacitive Touch Stations (CTS)  
Line and low voltage compartment separation  
Additional Inputs and Outputs

- 6 Universal Inputs
- 2 Line Voltage Inputs
- 2 Relay Outputs
- 2 Analog Outputs on dimming model

Dimming model applicable on platforms w/dimming capable Controller Board only

## General Specifications

Construction: 20ga steel white powder coat finish  
Dimensions: 5.063"(129mm)H x 10.00"(254mm)W x 2.50"(64mm)D  
Weight: 3lbs (1.36kg)  
Mounting: 4" or 4 11/16" junction box (Check local code requirements)  
Operating Environment: 0-140°F(-18-60°C), 10-90% RH, non-condensing  
Type 1 (dry / indoor environment)  
Plenum Rated

## Certifications

UL Listed, UL916 Standard for Energy Management Equipment, US/Canada  
FCC Part 15  
CEC Title 24  
Electronics meet or exceed IEC Level 3

## Warranty

Two (2) year limited manufacturer warranty from date of shipment (extended warranty optional).

## Line Voltage Specifications (FI-1 Board)

Power Feed: 120, 230, or 277VAC, 50/60hz, +/- 10%, single phase, 20A circuit (powers Satellite and feeds relay outputs)  
Satellite Maximum Load Rating: 20A  
Relay Maximum Load Rating: 20A tungsten @ 120VAC, 20A ballast @ 277VAC, 20A resistive @ 277VAC, 1.5HP @ 120VAC  
Relay: 2 mechanically latching relays with manual override lever  
Relay Status: Opto-isolated Power Tap (PT) on load side of relay contacts  
Line Voltage Input: 2 switch inputs, must utilize same Satellite power feed  
Line Voltage Input Type: Configurable for maintained or state-change  
Wire Requirement: 14-10AWG (Solid or Stranded copper wire only)

## Low Voltage Specifications (FI-2 Board)

Universal Input (UI) and Satellite / Station Network Power Out: 24VDC, 200mA total  
Universal Input: 6 two-wire inputs  
Universal Input Software Configuration:  
Digital Input (DI)  
Analog Input (AI): 0-5VDC, 0-10VDC, or 4-20mA  
Universal Input Wire Requirement / Maximum Length: 18AWG (Solid or Stranded) / 500'(152m)  
Analog Output: 2 outputs  
Analog Output Compatibility: 0-10VDC dimming ballasts (see *Ballast Compatibility Data Sheet* for details)  
Analog Output Sink / Source: 100mA / 5mA per output  
Analog Output Wire Requirement / Maximum Length: 18AWG (Solid or Stranded) / 1,000' (304m)

## Satellite / Station Network Specifications

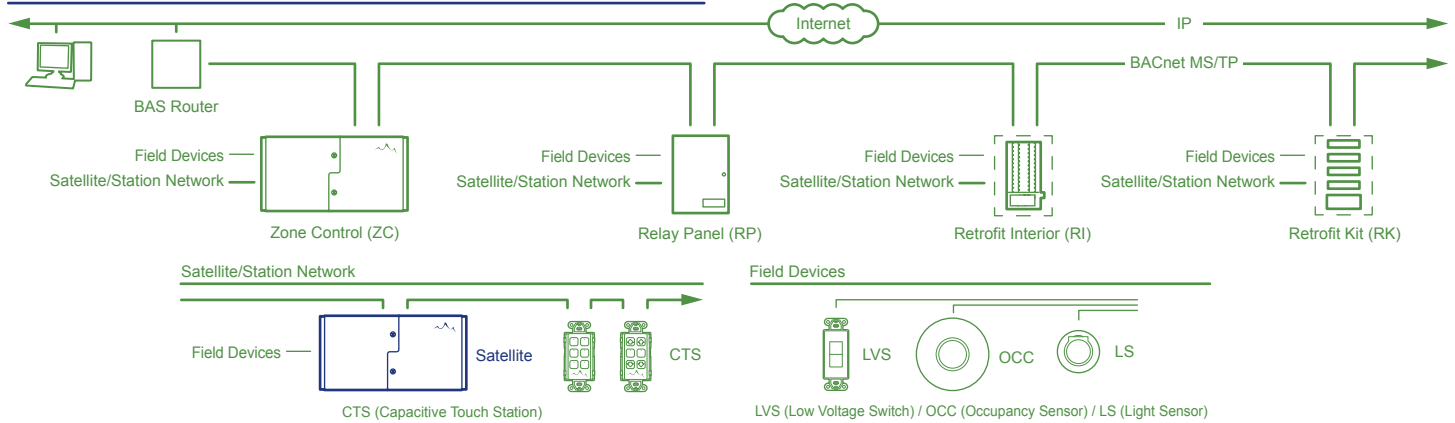
Protocol: CAN-bus  
Maximum Satellite: 3 ZC Standard, 7 ZC Extended, 8 RI / RP (RI / RP are limited to a maximum of 64 relays including those added with Satellite)  
Satellite Network Slot: Rotary dial selectable  
Topology: Free topology, stars and t-taps allowed  
Wire Requirement / Maximum Length: CL3P, 22AWG, 4 conductor, Unshielded / 500'(152m)  
Network Termination: Jumper

# Satellite

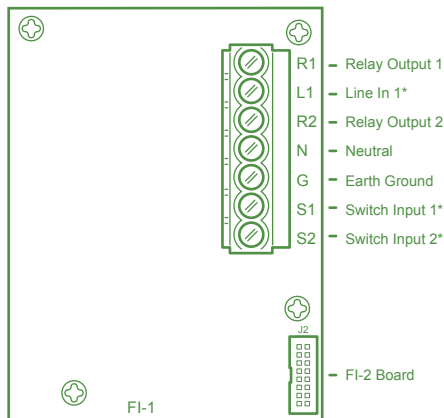
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Data Sheet : Catalog Page 63

## General Architecture

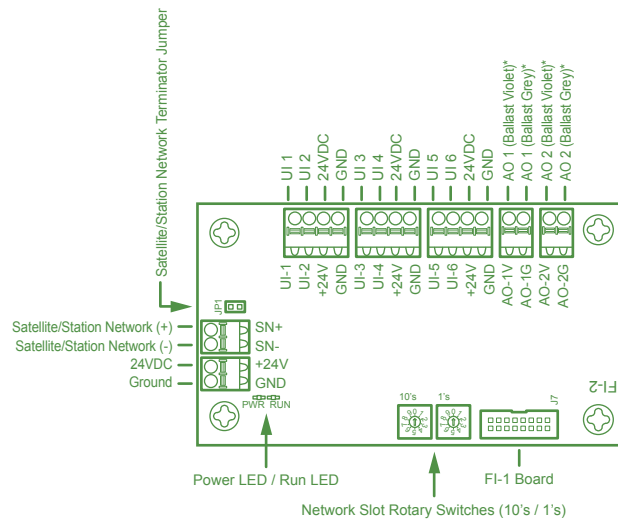


## FI-1 Board Terminations



\*FI-1 terminations are compatible with 120, 230, or 277VAC single phase circuits. Do not mix voltages or phase on the same unit.

## FI-2 Board Terminations



\*Applicable on Satellite with Dimming Option only.

## Ordering Information

SC XX - XX

Power Options
XX = 00 120, 230, 277VAC
Controller Board Options
XX = SS Switching
DS Dimming (platforms w/dimming capable Controller Board only)