Overview

Capacitive Touch Stations (CTS-DDN) provide local occupant overrides on the DDN Network. CTS-DDN are available in Channel On/Off configuration with one or two button layouts. The CTS-DDN interface features LED and audible chirp indication as well as schedule transition warnings. CTS-DDN fit decorator style wall plates, are gang-able with other devices, and are available in four standard colors.

Features

Compatible with DDN Network
Available in Black, Gray, Light Almond, or White
Fits decorator style wall plates
Gang-able with other decorator style devices
Extended life cycle
- No moving switch parts
- LED indicator

General Specifications

Construction: Acrylic face, ABS/polycarbonate back box / mounting frame
Dimensions:
  Station: 4.13"(105mm)H x 1.75"(44mm)W x 1.13"(29mm)D
  Capacitive Touch Surface: 0.5"(13mm)H x 0.5"(13mm)W per button
Weight: 3oz (85g)
Mounting: Standard single gang or multi-gang switch box, (2) #6/32 screws (included), and Decorator style wall plate (not included)
Operating Environment: 32-125°F (0-50°C), 20-95%RH, non-condensing

Warranty

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

Low Voltage Specification

CTS-DDN Power / Draw: 24VDC / 15mA

Legacy Low Voltage Specifications

DDN Switch and Input Module Power / Draw: 24VDC / 20mA

DDN Network Specifications

Protocol: Digital Device Network (DDN)
Maximum Unique Button Addresses: 60
Address: DIP switch selectable
Topology: Daisy Chain Wiring (no stars or t-taps)
Wire Requirement: CL3P, 22AWG, 4 conductor, Unshielded
Maximum Length: 2,000'(610m)
Network Termination: DIP switch
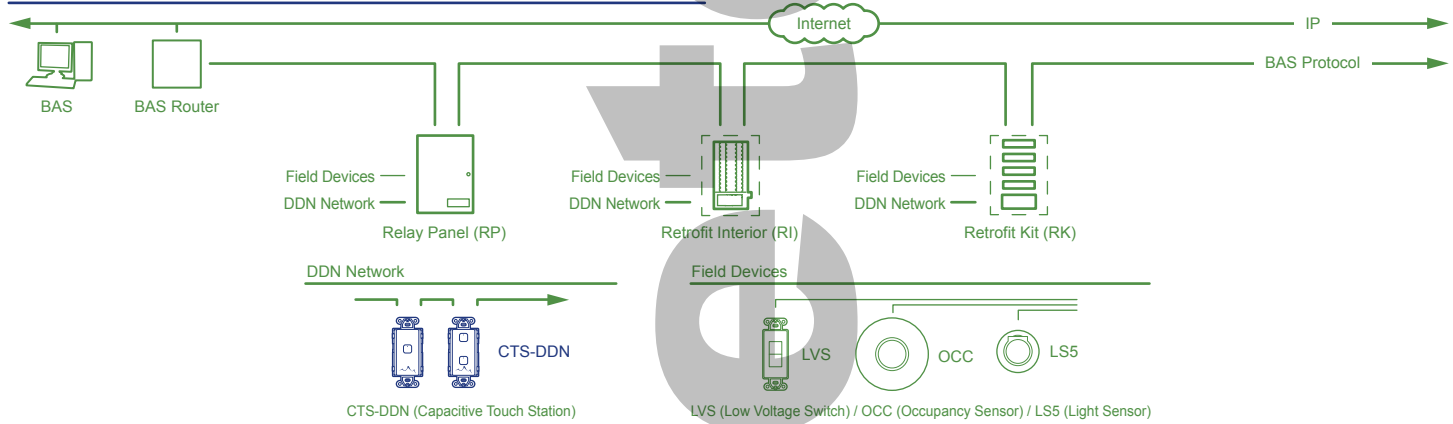
Station Specifications

Button Layout Channel On/Off: 1, 2
Button Operation: Momentary On/Off
Indicator Operation
  Audible Indication: Chirp when button is pressed
  LED Status Indication: LED is on when associated lighting is on.
  LED Schedule Transition Warning: Rapid blinking
Button Configuration
  Each Unique Button Address is assigned to the lighting group of the same number.
3-way / 4-way Operation: Requires CTS-DDN with same button layout. Accomplished by using same button address (may require additional power).
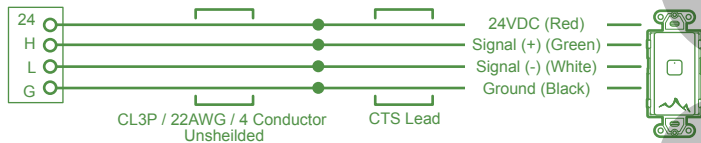
Capacitive Touch Station DDN

Data Sheet

General Architecture

Internet

IP

BAS Protocol

BAS

BAS Router

Field Devices
DDN Network
Relay Panel (RP)

Field Devices
DDN Network
Retrofit Interior (RI)

Field Devices
DDN Network
Retrofit Kit (RK)

DDN Network

CTS-DDN

CTS-DDN (Capacitive Touch Station)

Field Devices

LVS

OCC

LS5

LVS (Low Voltage Switch) / OCC (Occupancy Sensor) / LS5 (Light Sensor)

Controller Terminations

Terminal	
24	24VDC (Red)
H	Signal (+) (Green)
L	Signal (-) (White)
G	Ground (Black)

CL3P / 22AWG / 4 Conductor Unsheilded

CTS Lead

DDN Network Structure

From RI / RK / RP

Daisy Chain Only

CTS-DDN

Button Layout Options

FNCTS1CH-XX-DDN

FNCTS2CH-XX-DDN
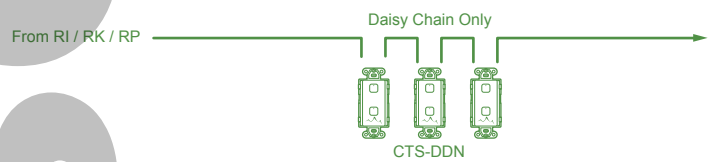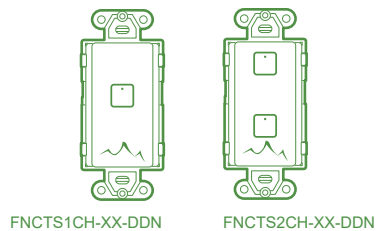
Ordering Information

FNCTS XXX - XX - DDN

Channel Quantity

XXX = 1CH   1 Channel (On-Off)

2CH   2 Channels (On-Off)

Color Options

XX = WH   White