Daylight Controllers

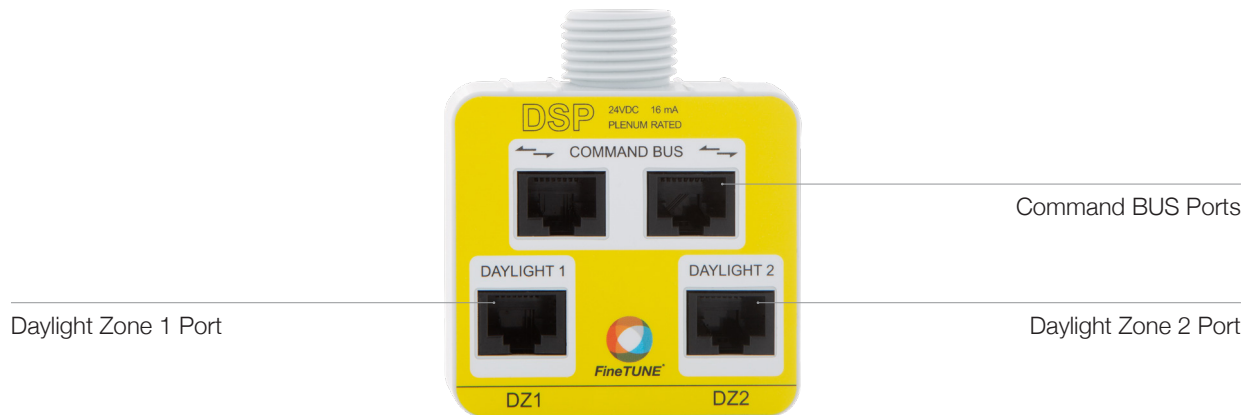Command BUS Ports

Daylight Zone 1 Port

Daylight Zone 2 Port

Product Information

A Daylight Sensor Pack is implemented when a space is required to utilize available daylight to reduce the light level either by code or by user preference. This device can connect to two 0-10V daylight sensors for two separate daylight zones. These daylight zones correspond to daylight zone outputs on each Layer Pack sharing the same BUS.
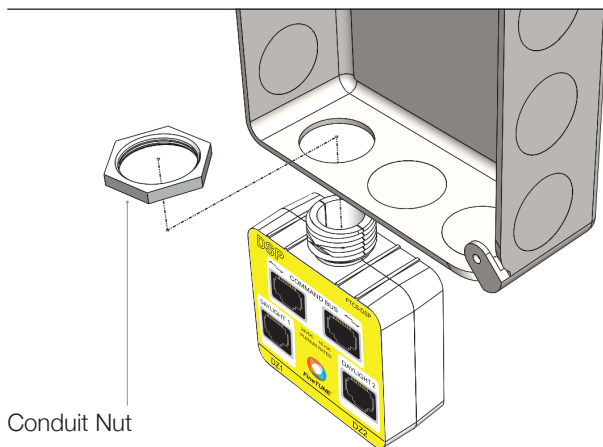
Control Specifications

DSP Power: 24V @16mA — Must connect to at least one Layer Pack to provide power the device

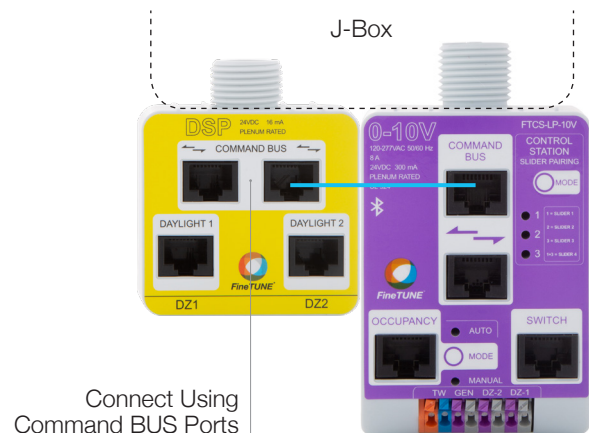**UL 2043 -** Plenum Rated — Connects into BUS using standard CAT5

Dimensions: H 2.25" x W 2.45" x D 1.0" — Only one Daylight Sensor Pack is needed per space

5-Year Warranty

Mounting

Conduit Nut

Place the Daylight Sensor Pack through a ¾" knockout and securely fasten conduit nut.
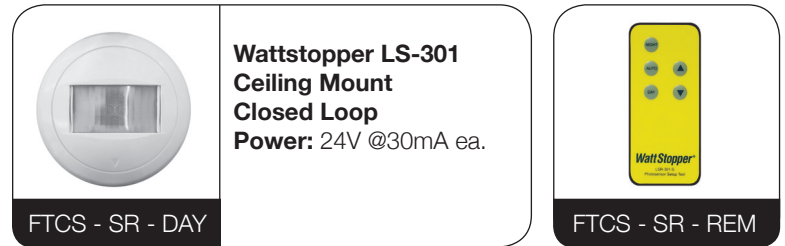

J-Box

Connect Using Command BUS Ports

Connect the Daylight Sensor Pack to a Layer Pack using CAT5 to provide power and allow for Daylight Sensor data to pass through to all connected devices.
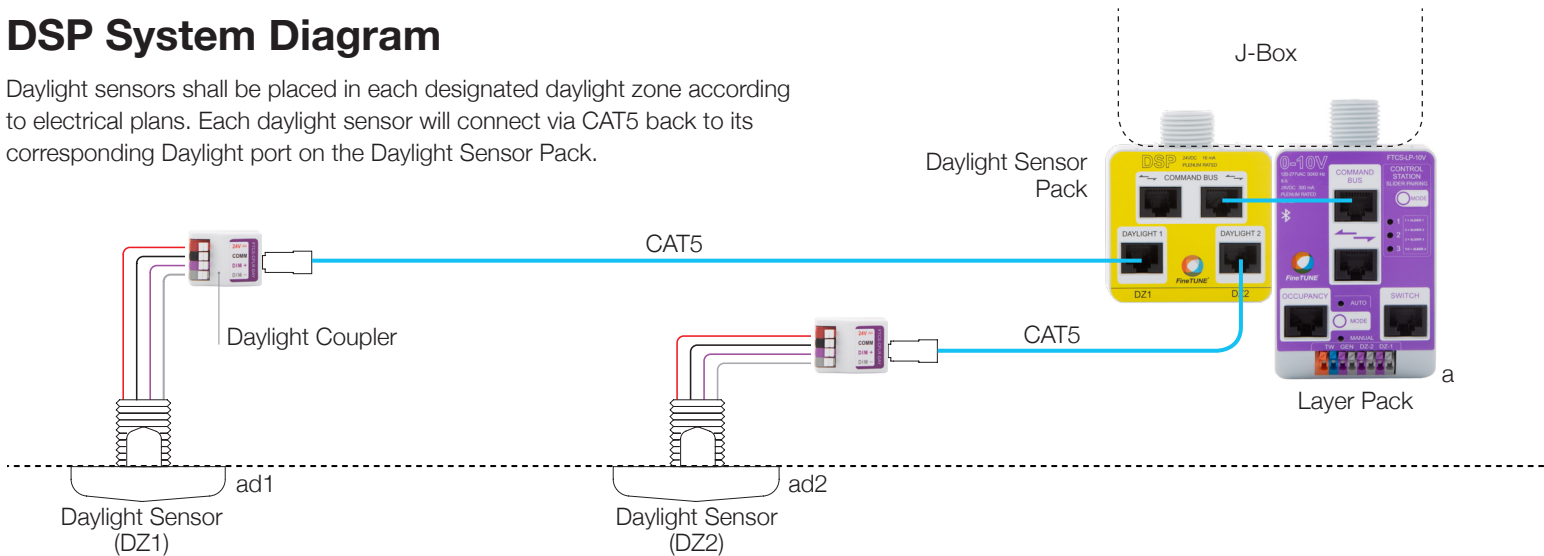
Daylight Sensors

Finelite provides Wattstopper LS-301 closed loop daylight sensors.

Power: 30mA @24VDC
Protocol: 0-10VDC
Full Range Dimming
UL and cUl Listed
5-Year Warranty

Wattstopper LS-301
Ceiling Mount
Closed Loop
Power: 24V @30mA ea.

FTCS - SR - DAY
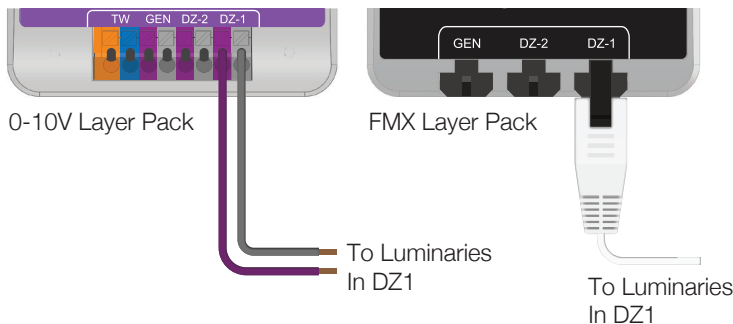
FTCS - SR - REM

DSP System Diagram

Daylight sensors shall be placed in each designated daylight zone according to electrical plans. Each daylight sensor will connect via CAT5 back to its corresponding Daylight port on the Daylight Sensor Pack.

J-Box

Daylight Sensor
Pack

CAT5

Daylight Coupler

CAT5

Layer Pack

a

ad1

ad2

Daylight Sensor
(DZ1)

Daylight Sensor
(DZ2)

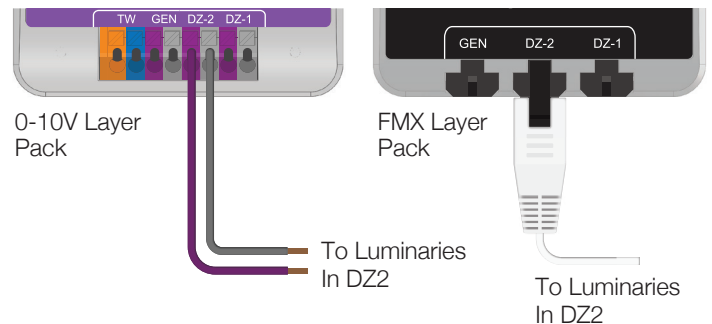# DSP System Diagram

Daylight 1 Port - DZ1 (Daylight Zone 1)

• Use this port to connect a Daylight Sensor meant for dimming luminaries connected to the DZ1 output of the Layer Pack(s).

• The Daylight Sensor Pack will communicate the daylight information to all of the Layer Packs sharing the same BUS.

0-10V Layer Pack

FMX Layer Pack

To Luminaries
In DZ1

To Luminaries
In DZ1

• Daisy chain connections to all luminaries falling within Daylight Zone 1. All luminaries connected will dim according to the amount of daylight the Daylight Sensor connected to DZ1 is measuring.

Daylight 2 Port - DZ2 (Daylight Zone 2)

• Use this port to connect a Daylight Sensor meant for dimming luminaries connected to the DZ2 output of the Layer Pack(s).

• The Daylight Sensor Pack will communicate the daylight information to all of the Layer Packs sharing the same BUS.

0-10V Layer
Pack

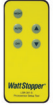FMX Layer
Pack

To Luminaries
In DZ2

To Luminaries
In DZ2

• Daisy chain connections to all luminaries falling within Daylight Zone 2. All luminaries connected will dim according to the amount of daylight the Daylight Sensor connected to DZ2 is measuring.

Configuration Examples

Connect the Daylight Sensor Pack anywhere along the Command BUS.

DSP   LP   LP   LP   DSP   LP

Ordering Information

Component	Ordering Code	Description
	FTCS - DSP	**Daylight Sensor Pack — Low Voltage / UL 2043** **Power:** 24V @16mA
	FTCS-SR-DAY	**Wattstopper LS-301 — Ceiling Mount / Closed Loop** **Power:** 24V @30mA • **FTCS-CPLR-DAY** comes attached Download Legrand LS-301 Tech Sheet **legrand®**
	FTCS-SR-REM	**Wattstopper LSR-301-S** **Remote control setup tool for Wattstopper LS-301** Download Legrand LSR-301-S Tech Sheet **legrand®**
	FTCS-CPLR-DAY	**FineTune TCS — Daylight Sensor Coupler**

Note: Daylight Coupler (CPLR-DAY) can connect 0-10V sensors by others to FineTune® TCS.