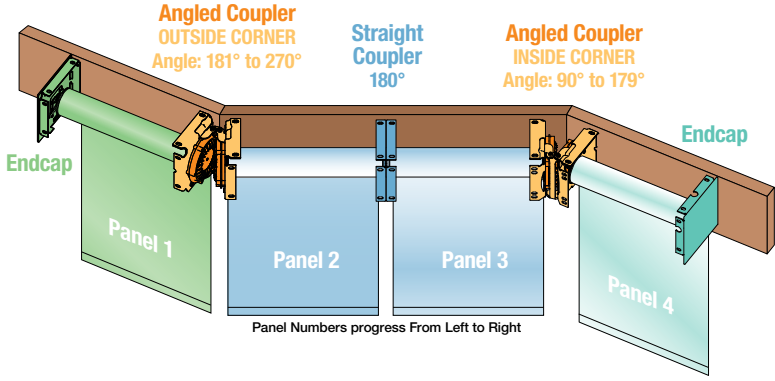
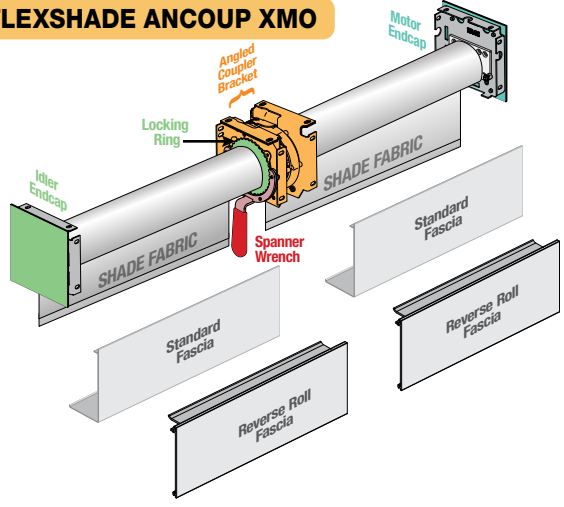


Angled Coupler for Motorized FlexShade® I/O AC



FLEXSHADE ANCOUP XMO



Number of Fabric Panels:

Minimum 2 Panels: 1 Idler Panel, 1 Motor Panel
 Maximum 5 Panels: 1 Motor Panel, Up to 3 Intermediate Panels, 1 Idler Panel



SPECIFIC DIMENSIONS OF EACH FABRIC PANEL SHOULD BE PROVIDED BY CUSTOMER USING the form titled: [Measuring Motorized FlexShades for Angled Coupler](#)

Select Shade Fabric:

Fabric Series: _____

Color Name / Number: _____

Openness Factor: _____
 Please visit [Draper Fabric Options](#) for fabric colors and specifications.

Select Fabric Orientation

- Standard Roll (from back of roller)
- Reverse Roll (from front of roller)

Select Slat Style

- Closed Pocket - 1" (25mm) Elliptical (standard)
- Open Pocket - 1" (25mm) Elliptical
- Small Rectangular Exposed Hem Bar
- Large Rectangular Exposed Hem Bar
- Round Exposed Hem Bar
- 5/8" (16mm) Tube
- None

Select Hardware

- Endcaps Only (Zinc only; plastic endcap cover to match hardware finish)
- Endcaps w/Fascia
- Surface Headbox (Fascia & Top/Back Cover)

Select Hardware Finish

- Clear Anodized (standard)
- White
- Bronze
- Black
- Ivory
- Custom (Contact Draper)

Select IntelliFlex I/O Control Options

Number of Single Zone Wall Switches (C112.161): _____

Number of Dual Zone Wall Switches (C112.162): _____

Number of Handheld Remotes (C156.270): _____
 A Wireless Network Gateway is required use Remote.

Number of AV Gateways (C156.269): _____

Number of Contact Closure Interfaces (C156.273): _____

Number of Extra Network Device Connectors (NDCs): _____
 NDCs included with each motor and I/O network component that requires an NDC.

Include Low Voltage Network Cables?

- Yes
 - 3' (91cm) (C107.100) How many _____
 - 6' (182cm) (C107.101) How many _____
 - 12' (366cm) (C107.102) How many _____
 - 25' (762cm) (C107.103) How many _____
 - 50' (1524cm) (C107.104) How many _____
- No

Include Commissioning Tools?

- Yes
 - Motor Limit Tool (C202.030) (How Many? _____).
- No



Draper, Inc. | 411 S. Pearl St. Spiceland, IN 47385
 draperinc.com | 765.987.7999 | 800.238.7999

PROJECT: _____

ARCHITECT: _____

CONTRACTOR: _____

SUPPLIER: _____

DATE: _____ **REVISED:** _____

Specifications

EQUIPMENT

INTELLIFLEX I/O 6NM AC MOTOR (C047.300): Drive unit inside roller, 3-wire, instantly reversible, lifetime lubricated. Right hand or left hand operation selectable during programming. Adjustable electronic limit switches, thermal overload protector and electric brake. Operates on 110-120V AC 1 PH 60 HZ current. Draws 1.0 Amps. Sound level ≤ 42 dBA.

MOTOR LIMIT TOOL (C202.030): Used to program the limits, operating direction and preset stops for individual or networks of Draper intelligent motors.

NETWORK DEVICE CONNECTOR (C156.267): Used to connect IntelliFlex I/O devices into a network. Distributes both power and communications between devices.

WIRED WALL SWITCH (SINGLE ZONE - C112.161; DUAL ZONE - C112.162): Intelligent low voltage control device providing in-wall user interface. Communicates directly with intelligent motors. Uses priority based command structure which allows multiple switches to have different levels of authority.

WIRELESS REMOTE (C156.270): Display allows up to 32 channels. Touch control to position shades. Can be used as a simple commissioning tool.

WIRELESS NETWORK GATEWAY (C156.268): Required to use the wireless remote in a wired network.

AIV GATEWAY (C156.269): Used to integrate with 3rd party control systems. Supports RS-232 and RS-485. Contact closure inputs. Low voltage trigger. IR receiver input. LCD display allows for commissioning of serial groups.

CONTACT CLOSURE INTERFACE (C156.273): Used to connect simple switches or other contact closure devices into the network. Up to 6 contacts. Push buttons for commissioning.

HARDWARE

ROLLERS: Extruded aluminum or steel. Roller assembly easily removable.

ROLLER IDLER ASSEMBLY: Injection molded nylon and a zinc-plated cold rolled steel pin. Sliding pin for easy installation and removal of the roller.

SLAT: Aluminum, min. 1/8" x 1" (3 x 25mm), encased in heat sealed hem.

ENDCAPS: Zinc plated steel stamping. 4 1/2" x 4 1/2" (114x114mm). Complete with adapter roller bracket. Installs to wall, ceiling, or jamb. Accepts fascia or headbox.

ENDCAP COVERS: Plastic covers snap onto endcaps. Available in silver, ivory, bronze, black or white to match fascia.

FASCIA: "L" cover of extruded aluminum, .060 (1.5mm) wall. Fascia snaps onto endcaps. Clear Anodized (standard), black, white, ivory, or bronze powder coat finish available.

REVERSE ROLL FASCIA: "L" cover of extruded aluminum, .060 (1.5mm) wall. Fascia attaches onto endcaps. With Attachment Clips. Clear Anodized (standard), black, white, ivory, or bronze powder coat finish available.

SURFACE HEADBOX: Consists of fascia, L-shaped back/top cover. Endcaps slide into extrusion without exposed fasteners.

STRAIGHT COUPLER ASSEMBLY: Zinc plated steel Coupler Shafts shall be retractable into coupler assembly for ease of installation and to lock units in place. Zinc plated steel coupler brackets shall have spherical OD bearings allowing for misalignment of the mounting brackets of up to 1.25-degrees. One motor or crank operator to drive additional shade rollers. Patent pending.

ANGLED COUPLER ASSEMBLY: Adjustable to accommodate wall angles of 90° to 270° OR Inside corners 0° - 179°, Outside corners 181° to 270°. Gear wheel of Delrin 500AL with applied Super Lube grease.

PATENT INFORMATION: available at <http://www.draperinc.com/legal/patents/>

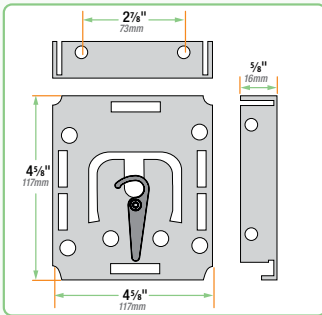
DOWNLOADABLE 3-PART SPECIFICATIONS: available at www.draperinc.com.

Please note: Dimensions of rollers, operators and hardware at manufacturer's discretion.

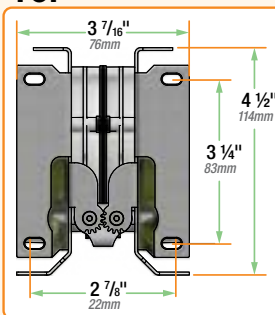
Hardware Dimensions

Please Note: Endcaps have the attachment points for mounting a Motorized FlexShade. Optional fascia and headbox have a thickness of 1/16" (1.5mm).

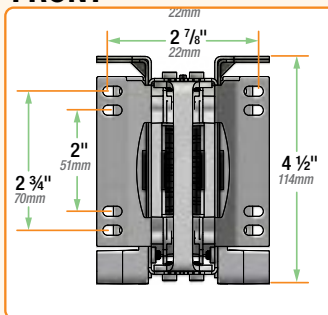
Motorized FlexShade Endcap Mounting Dimensions



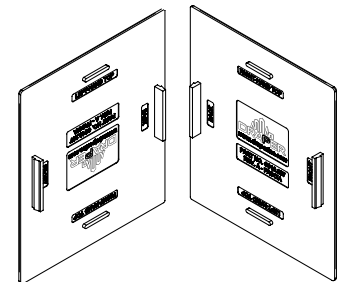
Angled Coupler Mounting Dimensions TOP



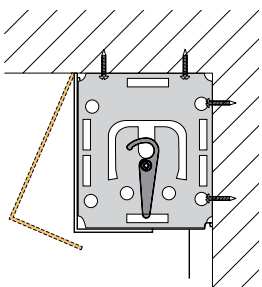
FRONT



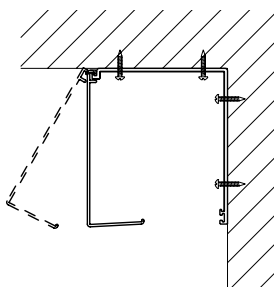
Endcap Covers



Installation Options



Ceiling or Wall Mounting Endcaps with Optional Fascia

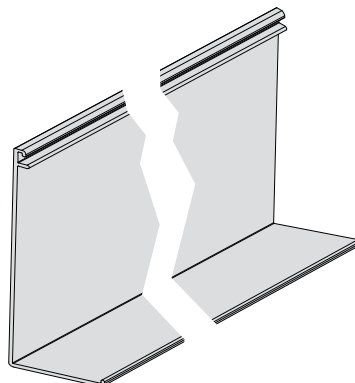


Surface Headbox

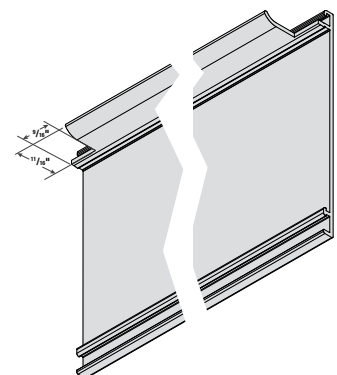
Consists of:

- Fascia,
- Back/Top Cover
- Ceiling/Wall Endcaps

Standard Fascia



Reverse Roll Fascia



Slat Options

Standard Hem Bar Sealed End



1" aluminum elliptical slat inside of a 1-5/8" pocket with heat sealed ends.

Hem Bar Open End (Optional)



Plastic hem bar end caps provide a finished look. 1" aluminum elliptical slat inside of 1-5/8" heat sealed pocket with open pocket ends. Plastic end caps on hem bar.

Exposed Hem Bar Small Rectangular (Optional)



7/8" X 5/16" aluminum rectangular hem bar with plastic end caps.

Exposed Hem Bar Large Rectangular (Optional)

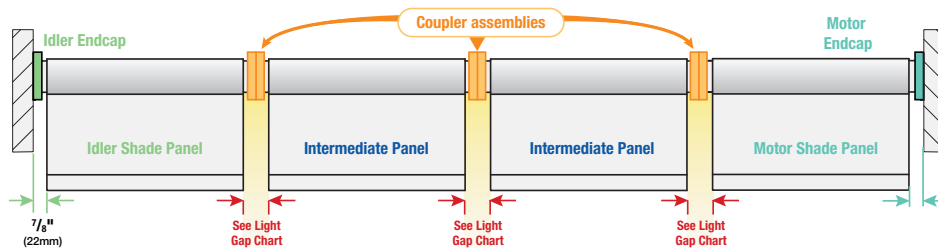


1-1/2" X 5/16" aluminum rectangular hem bar with plastic end caps.

Exposed Hem Bar Round



(Optional) 3/4" aluminum round hem bar with plastic end caps.



Light Gap dimension will vary depending on fabric orientation (e.g. - reverse roll). See chart below.

MOTOR TYPE	Roller Diameter			
	2"	50.8mm	3"	76.2mm
Round-Head	15/16"	23.8mm	1"	25.4mm
Square-Head	1 1/16"	27mm	1 1/4"	31.8mm
Star-Head	1 3/16"	30.2mm	1 3/8"	35mm
Gaposa	1 1/16"	27mm	1 1/4"	27mm

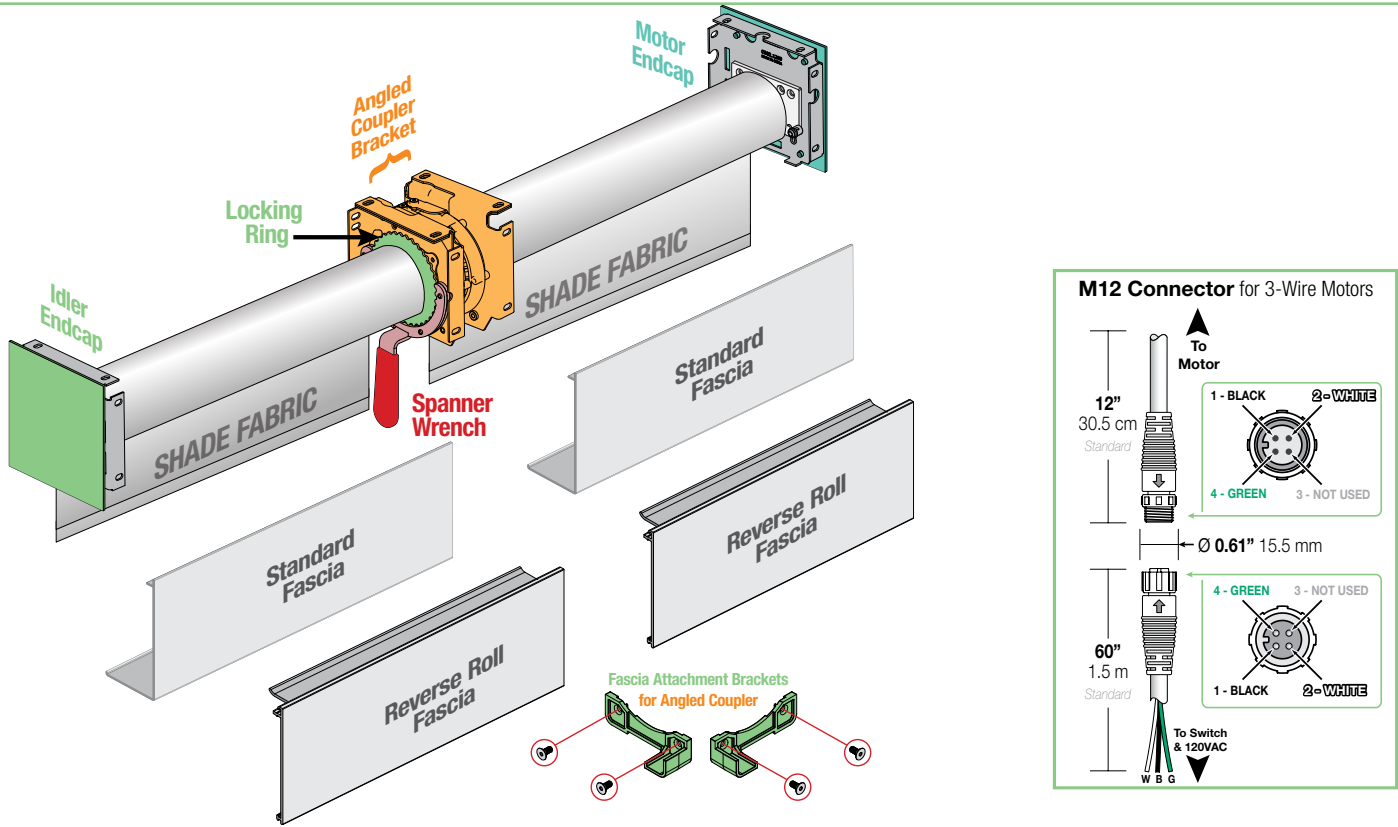
LIGHT GAP for INSIDE WALL ANGLES: 90° to 179°

Angle°	2" Roller				3" Roller			
	Standard Roll		Reverse Roll		Standard Roll		Reverse Roll	
	Inches	mm	Inches	mm	Inches	mm	Inches	mm
175°	2.7"	68.6	2.5"	63.5	2.8"	71.1	2.5"	63.5
170°	2.9"	73.7	2.5"	63.5	3"	76.2	2.5"	63.5
165°	3.1"	78.7	2.5"	63.5	3.2"	81.3	2.4"	63.5
160°	3.2"	81.3	2.5"	63.5	3.5"	88.9	2.4"	63.5
155°	3.4"	86.4	2.5"	63.5	3.7"	94.0	2.3"	58.4
150°	3.6"	91.4	2.5"	63.5	3.9"	99.1	2.3"	58.4
145°	3.7"	94.0	2.5"	63.5	4.1"	104.1	2.2"	55.9
140°	3.9"	99.1	2.5"	63.5	4.3"	109.2	2.1"	53.3
135°	4"	101.6	2.4"	61	4.5"	114.3	2.1"	53.3
130°	4.2"	106.7	2.4"	61	4.6"	116.8	2"	50.8
125°	4.3"	109.2	2.4"	61	4.8"	121.9	1.9"	48.3
120°	4.4"	111.8	2.4"	61	5"	127	1.9"	48.3
115°	4.6"	116.8	2.3"	58.4	5.1"	129.5	1.8"	45.7
110°	4.7"	119.4	2.3"	58.4	5.3"	134.6	1.7"	43.2
105°	4.8"	121.9	2.2"	55.9	5.4"	137.2	1.6"	40.6
100°	4.9"	124.5	2.2"	55.9	5.5"	139.7	1.5"	38.1
95°	4.9"	124.5	2.1"	53.3	5.7"	144.8	1.5"	38.1
90°	5"	127	2.1"	53.3	5.8"	147.3	1.4"	35.6

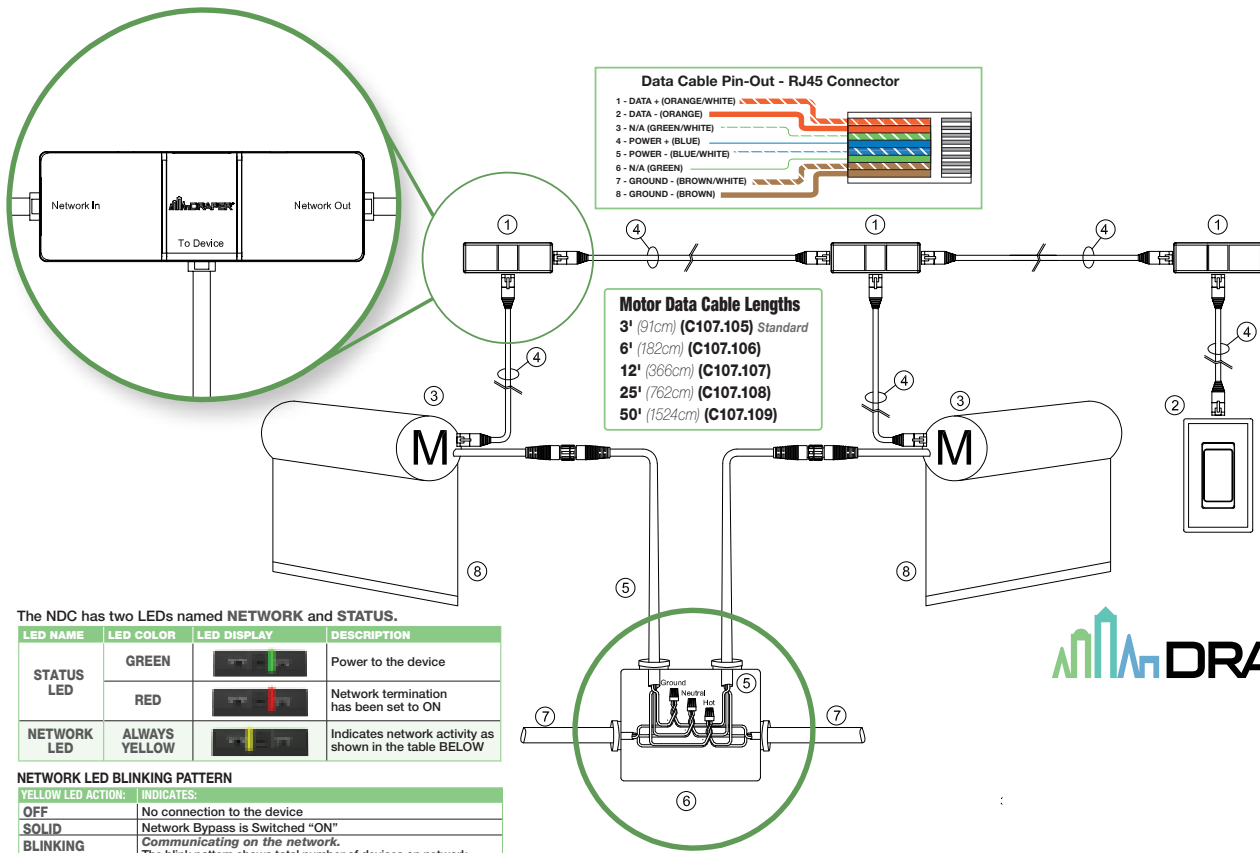
LIGHT GAP for OUTSIDE WALL ANGLES 181° to 270°

Angle°	2" Roller				3" Roller				
	Standard Roll		Reverse Roll		Standard Roll		Reverse Roll		
	Inches	mm	Inches	mm	Inches	mm	Inches	mm	
185	2.5"	63.5	2.7"	68.6	185	2.5"	63.5	2.8"	71.1
190	2.5"	63.5	2.9"	73.7	190	2.5"	63.5	3"	76.2
195	2.5"	63.5	3.1"	78.7	195	2.4"	63.5	3.2"	81.3
200	2.5"	63.5	3.2"	81.3	200	2.4"	63.5	3.5"	88.9
205	2.5"	63.5	3.4"	86.4	205	2.3"	58.4	3.7"	94.0
210	2.5"	63.5	3.6"	91.4	210	2.3"	58.4	3.9"	99.1
215	2.5"	63.5	3.7"	94.0	215	2.2"	55.9	4.1"	104.1
220	2.5"	63.5	3.9"	99.1	220	2.1"	53.3	4.3"	109.2
225	2.4"	61	4"	101.6	225	2.1"	53.3	4.5"	114.3
230	2.4"	61	4.2"	106.7	230	2"	50.8	4.6"	116.8
235	2.4"	61	4.3"	109.2	235	1.9"	48.3	4.8"	121.9
240	2.4"	61	4.4"	111.8	240	1.9"	48.3	5"	127
245	2.3"	58.4	4.6"	116.8	245	1.8"	45.7	5.1"	129.5
250	2.3"	58.4	4.7"	119.4	250	1.7"	43.2	5.3"	134.6
255	2.2"	55.9	4.8"	121.9	255	1.6"	40.6	5.4"	137.2
260	2.2"	55.9	4.9"	124.5	260	1.5"	38.1	5.5"	139.7
265	2.1"	53.3	4.9"	124.5	265	1.5"	38.1	5.7"	144.8
270	2.1"	53.3	5"	127	270	1.4"	35.6	5.8"	147.3

FlexShade Components



Wiring Diagrams



The NDC has two LEDs named NETWORK and STATUS.

LED NAME	LED COLOR	LED DISPLAY	DESCRIPTION
STATUS LED	GREEN		Power to the device
	RED		Network termination has been set to ON
NETWORK LED	ALWAYS YELLOW		Indicates network activity as shown in the table BELOW

NETWORK LED BLINKING PATTERN

YELLOW LED ACTION: INDICATES:

OFF	No connection to the device
SOLID	Network Bypass is Switched "ON"
BLINKING	Communicating on the network. The blink pattern shows total number of devices on network. A short blink = 1 device. A long blink = 10 devices

Notes:

- The wiring layouts are indicative only. It is the responsibility of others to determine the specific requirements and compliance with local electrical code.
- All wiring and connections should be completed by licensed electricians, in compliance with Local and State Code.
- Actual location of Network Device Connector and switches to be co-ordinated by others.