ECS Selector Switch Control Stations

Explosionproof, Dust-Ignitionproof, Factory Sealed and Non-Factory Sealed

CEC:
  Class I, Division 1 and 2, Groups B, C, D
  Class II, Division 1 and 2, Groups E, F, G
  Class III
  CSA Type 3R, 7BCD, 9EFG

Applications

- Push buttons and selector switches are used in conjunction with contactors and magnetic starters for remote control of motors. They provide circuit control and selection.
- Pilot lights provide visual indication that an electrical circuit is engaged either at a remote or local location.
- Toggle switches are used to connect or disconnect electrical operating lighting or other low power loads.

Features

- Corrosion resistant captive stainless steel hex head bolts hold cover to body.
- Dozens of possible combinations of push buttons, selector switches and pilot lights. Contact your local sales representative for combinations not found in the catalog.
- Push buttons supplied standard with neoprene weather boot.
- Clearly marked terminals with brass screws assure quick, easy wiring.
- Push buttons and selector switches employ heavy duty, 10 Amp 600 Vac rated contact blocks.
- Push button and selector switch contacts are silver cadmium oxide assuring long trouble free operation.
- Pilot Lights are supplied with jewel guard and 120 Vac lamp.
- Factory sealed push buttons are supplied with lockout type guards. Hole in guard locks with up to 1/4" hasp. Permits locking of push button to prevent unauthorized operation.
- Factory sealed control stations confine the arcing to the devices within the enclosure. Eliminates the need for adding external sealing fittings at each conduit entry. (Non-factory sealed devices available, contact your local sales representative.)
- Smooth rounded integral bushing in hub protects conductor insulation.
- Accurately tapped, tapered hubs for tight, rigid joints and ground continuity.
- Temperature rating: T6

Standard Materials

- Cover: aluminum alloy
- Body: cast copperfree (4/10 of 1% max.) aluminum
- Push buttons: aluminum upper barrel and phelonic lower barrel
- Dust cap models: neoprene buttons
- Pilot light guard and body assembly: aluminum and tempered glass jewel
- Clamping ring: steel
- Selector switch: aluminum operator mechanism and nylon cam

Standard Finishes

- Body and cover: baked epoxy paint
- Operators: natural finish

Options

- LED pilot light available. Substitute **J** in catalog number with **L**.
- Three position selector switches with modified operation.
  — Momentary contact right position, spring return to center, maintained contact left position. Add suffix —**S634**.
  — Momentary contact left position, spring return to center, maintained contact right position. Add suffix —**S635**.
- Selector switch lockout for factory sealed units locks two or three position handle in any position. Add suffix —**S349**.

1–Gang — Start and Stop   **2–Gang — GFCI and Receptacle**

- Pilot light jewel/guard assembly, order by suffixes:
  — Red —**JR**
  — Amber —**JA**
  — Blue —**JB**
  — Clear —**JC**
  — Green —**JG**
  — Opal —**JO**
- For colored LED jewel/guard assembly, order by suffixes:
  — Red —**LR**
  — Amber —**LA**
  — Blue —**LB**
  — Clear —**LC**
  — Green —**LG**
  — Opal —**LO**
- Securing rod for push button factory sealed units. Add suffix —**S153**.
- CSA Type 4X enclosure and cover. Add suffix —**4X**.

CEC Certifications and Compliances

- CSA Standards: CSA C22.2 No. 25, CSA C22.2 No. 30, CSA C22.2 No. 14-M
- CSA Certified: 038339

CONTROLS: NEC/CEC EXPLOSIONPROOF CONTROL STATIONS AND SWITCHES

Appleton

EMERSON

CEC:
Class I, Division 1 and 2, Groups B, C, D
Class II, Division 1 and 2, Groups E, F, G
Class III
CSA Type 3R, 7BCD, 9EFG

ECS Pilot Lights and Push Buttons — Factory Sealed Devices

	Hub Size (Inches)	Description	Contact Arrangement	Legend Plate	Catalog Number
1-Gang					
	3/4	One Red		None	**ECS3JR**
	1	Pilot Light		None	**ECS5JR**
	3/4	Two Red		None	**ECS32JR**
	1	Pilot Lights		None	**ECS52JR**
1-Gang					
	3/4	1 Circuit Universal and 1 Green Pilot Light		Start	**ECS3JGU1**
	1	1 Circuit Pilot Light and 1 Green Pilot Light		Start	**ECS5JGU1**
	3/4	2 Circuit Universal and 1 Red Pilot Light		Start / Stop	**ECS3JRU2**
	1	2 Circuit Universal and 1 Red Pilot Light		Start / Stop	**ECS5JRU2**
2-Gang					
	3/4	2 Circuit Universal and 1 Red Pilot Light		Start / Stop	**ECS7JRU2**
	1	2 Circuit Universal and 1 Red Pilot Light		Start / Stop	**ECS9JRU2**
	3/4	2 Circuit Universal and 1 Red and 1 Green Pilot Light		Start / Stop	**ECS7JGJRU2**
	1	2 Circuit and Universal 1 Red and 1 Green Pilot Light		Start / Stop	**ECS9U2JRJG**

CONTROLS: NEC/CEC EXPLOSIONPROOF CONTROL STATIONS AND SWITCHES

Appleton

EMERSON