



# Overload Relays Communicates Control and Protection

## Overload Relay Protection Modules

Seamless development of motor starters with remote reset and jam protection module based communication can now be cost effective with the CEP7-EE... and CEP7(S)-EE... electronic overload relay and optional field installable communications modules with minimal space requirements (22mm). Streamline your processes with better control and protection capabilities for improved efficiency.

### CEP7-ERR Remote Reset Module

- Side module connects to a:
  - CEP7-ERID or
  - D7 pilot device reset pushbutton
- Dip switch adjustable reset mode and type
  - Automatic or Manual reset mode
  - 1- or 3-phase relay type operation
- Provision reset after trip from remote pilot device



### CEP7-EJM Jam Protection and Remote Reset Module

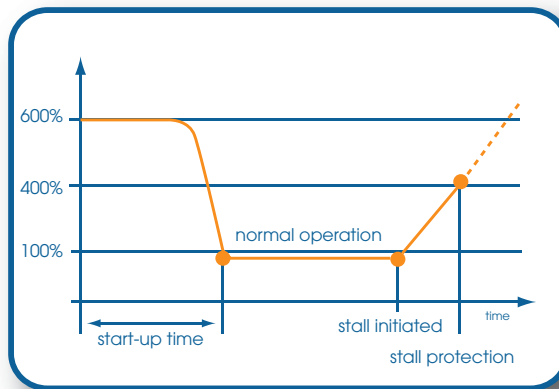
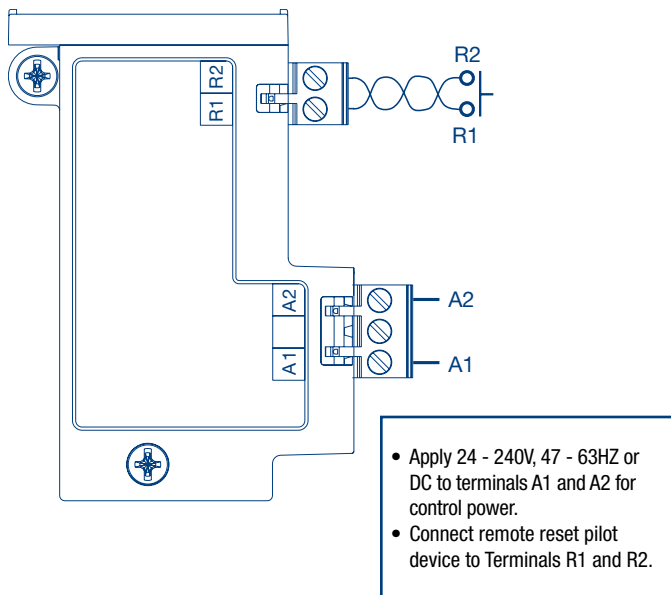
The Jam module can help you control applications that involve frequent overload and locked rotor condition like mixers, crushers, cranes, saws and conveyors.

- Dip switch adjustable Jam Protection
  - Jam set points - 150%, 200%, 300% or 400% FLA
  - Trip delay - 0.5, 1, 2, or 4 sec
- Provision for reset after trip from remote pilot device



### Advantages

- **Compact size**
  - Direct mounting to the left side of the current sensing CEP7 -EE Overload Relay only adds 22mm to the width
- **Simplifies control**
  - Side-mount modules electronically interface with the CEP7 Overload Relay so that all control circuit connections are made at the Overload Relay terminals.
- **Expands protective functions (CEP7-EJM only)**
  - Jam protection (Trip delay ; Warning setting FLA)



The Jam Module contains a unique circuit that monitors motor inrush current. The jam circuit is inhibited during inrush until current falls below 125% on start-up.

### CEP7-ERR Dip Switch

<b>Overload Relay Remote Reset</b>	SW1	Manual: 1	Automatic: 0
<b>Overload Relay Type</b>	SW2	3 Phase : 1	1 Phase:0
	SW3	Not Used	

### CEP7-EJM Dip Switch

<b>Remote Reset</b>	SW1	Enable: 1	Disable: 0
<b>Jam Protection</b>	SW2	Enable: 1	Disable: 0
<b>Jam Trip Level</b>	SW3	SW4	
150%	0	0	
200%	0	1	
300%	1	0	
400%	1	1	
<b>Jam Trip Delay</b>	SW5	SW6	
0.5 sec	1	1	
1 sec	1	0	
2 sec	0	1	
4 sec	0	0	

### CEP7-ERR Operational LED

**Status LED:** Steady Green - Module is powered up.

### CEP7-EJM Operational LED

**Green Flash** - Module is powered up.  
**Green Solid** - Module powered plus motor current present  
**Status LED:** **Red Flash** - Warning: Fault detected and CEP7 preparing to trip.  
**Red Solid** - Hardware fault. Internal hardware fault detected and CEP7 trip attempted. Recover fault by cycling supply voltage.



## CEP7-ERID VALUE KITS

Intelli-buttons and your choice of the side-mounted modules can be ordered as (a) individual components, (b) the combination of necessary parts can be ordered as a kit or (c) you can have these kits installed in any control panel built by Sprecher + Schuh that contains a CEP7-EE\_ overload relay. Check out our Intelli-button flyer for the Value Kit details.