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Smart E2

Remote Distribution Panel

- 2RU, 22 position, remote distribution panel for COs, MSCs and critical facilities
- Local and remote display of voltage and current per bus through an intuitive color display
- Local and remote display of per position breaker/fuse trip alarm
- Monitor individual bus currents and set overcurrent alarm thresholds
- Voltage inputs to monitor voltage drop from upstream distribution
- Monitor ambient temperature and set over temperature alarm thresholds
- CAN termination for central monitoring through CXC-HP controller (Automatically acquires panel)

Alpha's Smart E2 panel is a high density breaker panel used in central offices, cable headends and datacenters for tertiary distribution applications.

The 2RU panel, designed with a split bus, offers the capability for up to 22 plug-in breaker/fuse positions in a 19" configuration. Individual 600A buses allow for maximum utilization of distribution capacity.

The Smart E2 offers options for local and remote monitoring of alarms and analog parameters via a CAN bus to a centralized controller (CXC-HP) or with IP/SNMP connectivity.

Smart E2 Remote Distribution Panel

Ordering Information	
Panel Description	
P/N: 0917001-202	Smart E2, 19/23", 2RU, -48V, 600A Per Bus, 11A/11B Load Breakers
P/N: 0917001-203	Smart E2, 19/23", 2RU, -48V, 600A Per Bus, 11A/11B Load Breakers, IP/SNMP Conn.
P/N: 0200235-521	Smart E2, Vertical Input Adapter Kit
Field Replacement Kit Description	
P/N: 0200235-511	Smart E2, VI Monitor Door Replacement Kit (For 0917001-202 & -302)
P/N: 0200235-513	Smart E2, VI Monitor + IP/SNMP Conn. Door Replacement Kit (For 0917001-203 & -303)
Note 1: The vertical input adapter kit (0200235-521) is recommended when each bus is fused at 400A and above. It is capable of accepting upto 2x 750MCM cables (back to back) on the hot and return connections. Note 2: Double pole breakers require adapter kit #0370298-001 and triple pole breakers require adapter kit #0370299-001.	

Nominal Specifications		
Model	**P/N: 0917001-202**	**P/N: 0917001-203**
Electrical		
Nominal Voltage:	±24/48VDC	±24/48VDC
Bus Capacity:	600A per Bus	600A per Bus
Mechanical		
Dimensions:	3.5"H x 19"W x 12"D	3.5"H x 19"W x 12"D
Mounting:	Flush/Center	Flush/Center
Connections		
Input (Hot & Return):	⅜" Holes on 1" Center	⅜" Holes on 1" Center
Positions:	11x sets load breakers per bus (22 positions per panel)	11x sets load breakers per bus (22 positions per panel)
Output (Hot & Return):	22x sets of ¼" studs on ⅝" Centers	22x sets of ¼" studs on ⅝" Centers
	Double Pole: ⅜" Studs on 1" Centers Triple Pole: ⅜" Studs on 1" Centers	Double Pole: ⅜" Studs on 1" Centers Triple Pole: ⅜" Studs on 1" Centers
Chassis Ground:	¼" studs on ⅝" Center	¼" studs on ⅝" Center
Controls		
Alarms:	Breaker/Fuse trip: Form C contacts	Breaker/Fuse trip: Form C contacts
Monitor:	Breaker/fuse trip, bus currents, bus voltages and ambient temperatures via CAN bus to CXC-HP controller	Breaker/fuse trip, bus currents, bus voltages and ambient temperatures via CXC-HP controller (IP/SNMP)
LED Indicators:	System Ok (Green) Breaker/Fuse Trip (Red)	System Ok (Green) Breaker/Fuse Trip (Red)
Environmental		
Temprature:	0 to 40°C (32 to 104°F)	0 to 40°C (32 to 104°F)
Humidity:	0-95% non-condensing	0-95% non-condensing
Agency Compliance		
Safety:	CSA C22.2 No. 60950-1 UL 60950-1	CSA C22.2 No. 60950-1 UL 60950-1

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