

CENTRAL CONTROL UNIT (CCU)

The CCU is to be installed inside the Traffic Cabinet and is powered by the AC supply mains (115 VAC). The CCU is the power supply and signaling interface between the existing Intersection Traffic Control Unit and the Push Button Stations which are located in the field. One CCU can control up to 12 Push Button Stations. The CCU controls up to four Pedestrian phases, receiving its timing from the Walk and Don't Walk signals. Additional advanced configurations can be obtained by utilizing its general purpose Inputs and Outputs. All Inputs and Outputs have full optical isolation and include Transient Voltage Protection.

Ped Walk / Don't Walk Inputs:

Optically Isolated 80–150 Volts AC/DC 5mA Maximum

General Purpose Outputs & Ped Outputs:

Optically Isolated 36 Volts AC/DC Peak

.3A Solid State Fused Contact Closure

Fault Output:

Normally Open and Closed Relay Contacts 125 Volts AC/DC 1A Maximum

A, B, C, D PBS Power Outputs:

Nominal 22 Volts DC, Short Circuit Protected – Auto Recovering

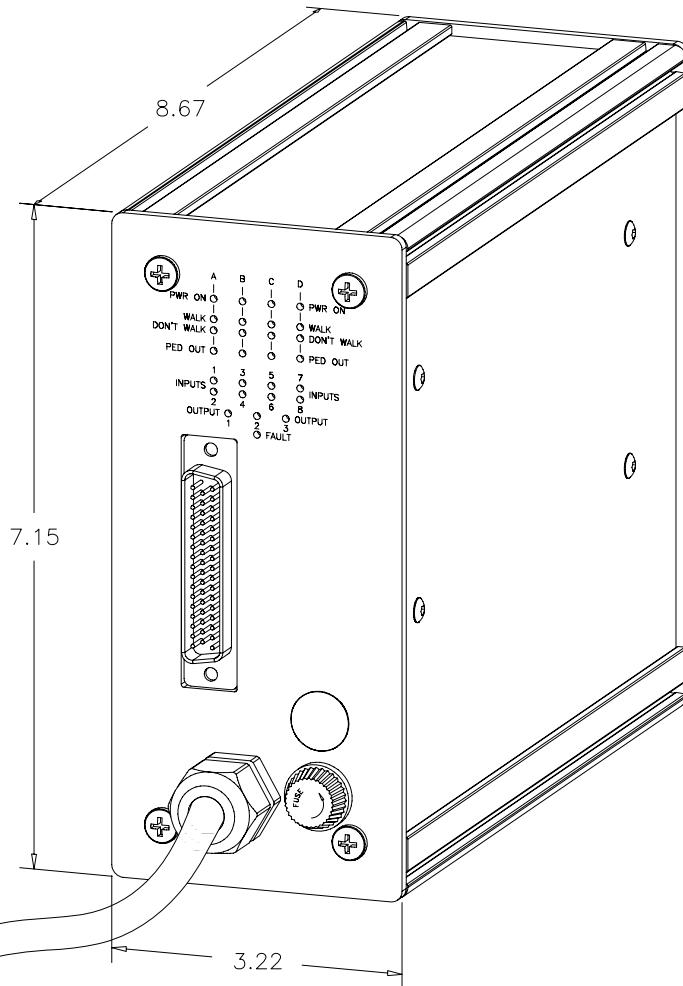
General Purpose Inputs:

10 – 36 Volts AC/DC Peak 10mA Maximum, Optically Isolated

Environmental:

Operating and Storage –30°F (–34°C) to 165°F (74°C) 0–100%

Humidity Non-Condensing



Interface cable included
but not shown

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Revised - 01/11/06										POLARA ENGINEERING INC. 4115 W. ARTESIA AVE. FULLERTON, CA. 92833 TOLERANCES: .XXX ±.005 .XX ±.02 (EXCEPT AS NOTED) SCALE 1:1											
															DRAWN BY BB		CKR.		ENG. MGR.		MFG. MGR.
										DATE 03-14-03		DSN. ENG.		Q.A. APP.		FINAL APP.		USE 2W NAV			
										TITLE 2 WIRE NAVIGATOR CENTRAL CONTROL UNIT										DWG. NO. CCU	
REV.	DATE	LTR	E.C.O. NO.	BY	CKR	ENG	DSN	MFG	QA	FNL											