

INTRODUCTION

The ACT Pulse fixed speed motor controller is a standard line frequency pump and motor protective controller used in Switchboards.

HMI SPECIFICATIONS

Power Supply:	10-24VDC, 0.5A or 120VAC, 0.1A, 50/60Hz
Dimensions (W x H x D):	110mm x 100mm x 60mm (4.3" x 3.9" x 2.4") Without mounting hardware
Weight:	0.69kg to 0.94kg (1.5lbs to 2.1lbs) Depending on selected options
Temperature:	-30°C to 70°C
Display:	High legibility backlit STN 4x20 character LCD
Keypad:	11 button keypad
Contactor Relay Output:	120V, 10A
Auxiliary Relay Outputs (3):	120V, 3A
Voltage Transformer Inputs (3):	120VAC, 0.01VA burden
Current Transformer Inputs (3):	5A, 0.25VA burden
Spin Inputs (3):	Requires optional Shunt Module
Analog Inputs (5):	12bit, 0 to 10VDC, 1KΩ
Discrete Inputs (8):	ON = 10 to 24V, 2.7KΩ
Serial Ports (2):	RJ45 with selectable RS232 or RS485
Serial Communic. Protocol:	MOBUS RTU mode
Internal Log Memory:	3,000 to 7,000 events
Additional Log Memory:	Memory Card size dependent, format - SD

FEATURES

- Small footprint design
- Available in two options: Flush mount and Chart mount
- Programmable auxiliary relays and digital I/O's
- Configurable 5 Analog Inputs and 8 Digital Input
- Two serial communication ports for SCADA and PLC connectivity
- AUTO-HAND-OFF-ON options on the keypad of the controller
- LED indications for RUN mode, AUTO mode and ALARM indication
- Overload, underload and ground fault protection
- Indication of power consumption
- Monitors cable insulation breakdown
- 8 programmable restart profiles
- Inbuilt alarm for internal temperature overheating of controller's DSP



Chart Mount Design Installed



Left: Chart Mount Design; Right: Flush Mount Design

Please visit our website at www.cai-esp.com for more information.