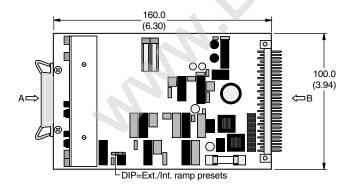
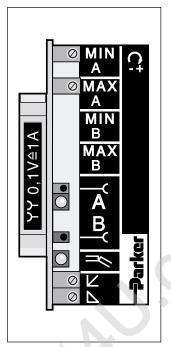
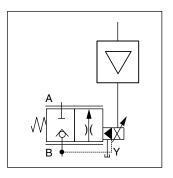
#### **Features**

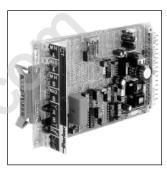
- Processing and amplification of the externally supplied positive set-values into output signals for the control solenoid.
- Can be combined with EZ150 or external programmable control
- DIP switch from internal ramp generation to external ramp setting.
- MIN/MAX limiters for matching the working range to the full set value range.
- Pulsed low-loss amplifier power stage with supporting constant current control for constant, temperatureindependent, solenoid forces.
- Dither generator with applied frequency to improve static characteristics.
- Diagnosis by means of diagnostic sockets as well as LEDs for indicating working conditions.

### **Dimensions**









### **Specifications**

Connection	31 Pole Male Connector, DIN 41617
Power Supply	Regulated: 18-26V Unregulated: 22-38V
Power Required	40 VA
Command Signal	0 to +10 VDC
Input Select Voltage	5 to 30 VDC
Reference Outputs	+10 VDC 10 mA
Max. Solenoid Output Current	1.05A with set value 10V
Ambient Temp. Range	0°C to +70°C (+32°F to +158°F), Standard Range
Ramps	0 to 5 seconds adjustable
Shielded Cable Connection	Supply connections + valve: 1.5 sq. mm (16 AWG) Command Signals: 0.5 sq. mm (20 AWG)
Fuse	2A medium lag, DIN 41571/5x20 mm
Parker Hannifin Corporation	
Parker Hannifin Corporation	

ET104.p65, dd, an



**Technical Information** 

# Connector (Elevation B)

14 Input command voltage 0...+10VDC

16 Output +10V reference

18 Input 24VDC supply

22 Input external ramp option

23 0
25 0
27 0

- 11 Reference potential 0V supply
- 13 Input ramp disable
- 25 Output to control solenoid
- 27 Input external ramp option
- 31 Reference potential 0V set value

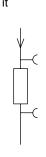
# Operating and Diagnostic Elements (Elevation A)

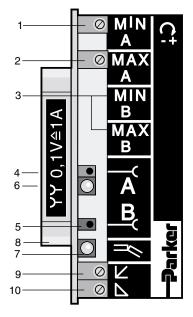
26 Output to control solenoid

#### Notes:

- Turn off the electrical power to this board whenever the hydraulic supply to the valve is not on.
- Always turn off the power to this board before removing it from the card holder.

Only potentialfree measuring equipment to be used





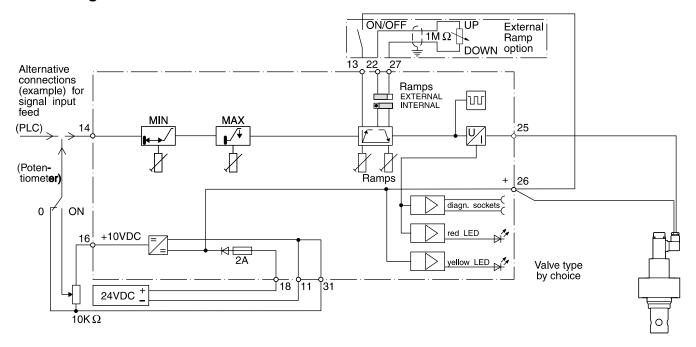
29 31

- 1 MIN limiter for matching the smallest throttle aperture
- 2 MAX limiter for matching the largest throttle aperture
- 3 not used
- 4 Red socket for current diagnostic
- 5 Black socket for current diagnostic
- 6 Red LED (A) for:
  - function indicator control solenoid
  - (B not used)
- 7 Yellow LED for:
  - correct voltage supply
- 8 Green grip strip with reference information for measured values
- 9 UP ramp potentiometer
- 10 DOWN ramp potentiometer





### **Block Diagram**





## **Ordering Information**

