

MODELS GCL 150LP SERIES

5 OUTPUT 150 WATT OPEN FRAME SWITCHER

SPECIFICATIONS

EFFICIENCY: Up to 80% ... 70% Minimum.

HOLD-UP TIME: Supply remains in regulation for a minimum of 20 msec after removal of nominal AC power.

INPUT: 95-130V AC or 190-260V AC, 47 440 Hz Strappable.

OUTPUTS: See Table attached.

LINE REGULATION: 0.2% over entire input range.

LOAD REGULATION: 0.2% from no load to full load for 5 Volt outputs only.
2.5% from 20% load to full load for all other outputs.

MINIMUM LOAD: Zero.

RIPPLE AND NOISE (PARD): 60 Hz Component - 0.4% all outputs.
Switching Frequency Component - less than 10mV all outputs.

OVERVOLTAGE PROTECTION: Standard on 5Volt output set at 6.3 Volts only.

OVERSHOOT AND UNDERSHOOT: 2% maximum deviation for a 50% load change at 5A/ usec.

CURRENT LIMIT: Overload shutdown at 110-120% of rating.

TEMPERATURE COEFFICIENT: $\pm 0.02\%$ / C.

OPERATING TEMPERATURE: 0°C to 70°C derate power ratings linearly from 100% @ 40°C to 50% @ 70°C.

STORAGE TEMPERATURE: 55°C to 85°C.

VOLTAGE ADJUST RANGE: All models, $\pm 5\%$ minimum. Adjustable 5 Volt output only. Other outputs Track 5V level.

INPUT CONNECTIONS: Input is provided through a heavy duty terminal block

OUTPUT CONNECTIONS: Via Terminal Block.

GSC ELECTRONICS LTD.
MONTREAL, CANADA
GSC ELECTRONICS CORP.
CHAMPLAIN, N.Y.

SIZE

/

CODE IDENT No.

EPCTT.

DWG NO.

GOL 150LP SERIES - MARCH 1981

Electrical Specifications

SCALE None

REV LTR

1

SHEET 1 of 2

OUTPUT POLARITY: Return terminals may be grounded or left floating up to 400VDC with respect to chassis ground.

CHASSIS MATERIAL AND FINISH: Aluminum, clear anodize..

MOUNTING: 2 Surface mounting via 8-32 tapped holes.

TECHNICAL FEATURES

REMOTE SENSE: Remote sense not available.

REMOTE ON/OFF: Not available.

POWER FAIL DETECTION: Not available.

INPUT RFI LINE FILTER: Independent LC section on each side of the AC input line.

LIMITED INRUSH CURRENT: The AC input inrush current is limited by a negative temperature coefficient thermistor. AC inrush is limited to 25 Amperes peak current on cold start.

SHUTDOWN: SHUTDOWN results when a power level exceeding 110-125% of the maximum rated output level is reached. SHUTDOWN will also occur in response to the presence of an overvoltage condition on the 5Volt output. SHUTDOWN results in all output levels dropping to 0 volts.

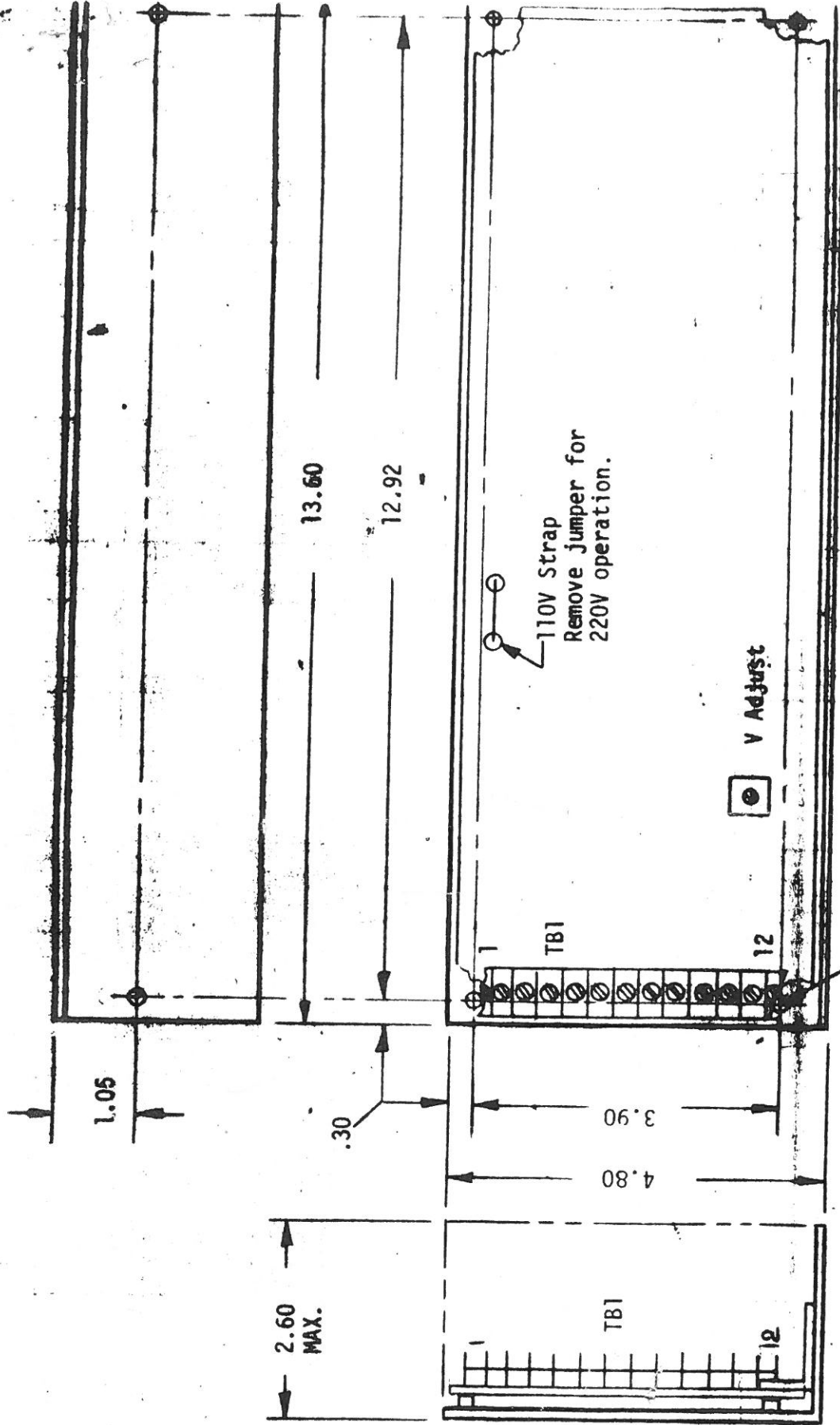
To reinstate normal power supply operation following SHUTDOWN, the cause of SHUTDOWN must be eliminated and the input power lines disconnected from the supply for a minimum period of 15 seconds.

OUTPUT RATINGS

<u>MODEL</u>	<u>OUTPUT 1</u>	<u>OUTPUT 2</u>	<u>OUTPUT 3</u>	<u>OUTPUT 4</u>	<u>OUTPUT 5</u>
GOL 150LP	+5V@15A	+12V@4A	-12V@4A	-5V@2A	+24V@4A
GOL 151LP	+5V@15A	+15V@4A	-15V@4A	-5V@2A	+24V@4A
GOL 150LP-2	+5V@15A	+12V@4A	-12V@4A	-5V@2A	+36V@4A
GOL 151LP-2	+5V@15A	+15V@4A	-15V@4A	-5V@2A	+36V@4A

MAXIMUM CONTINUOUS POWER: 150 Watts - all outputs combined.

GSC ELECTRONICS LTD. MONTREAL, CANADA	SIZE	CODE IDENT No.	DWG NO.
	/	SPCFT.	GOL 150LP SERIES - MARCH 1981
GSC ELECTRONICS CORP. CHAMPLAIN, N.Y.	SCALE	REV LTR	SHEET 2 of 2
	None	1	



- Terminal 1 AC1
- Terminal 2 AC GND
- Terminal 3 AC2
- Terminal 4 Output 5
- Terminal 5 Output 2
- Terminal 6 Output 3
- Terminal 7 Output 4
- Terminal 8 RTN
- Terminal 9 RTN
- Terminal 10 RTN
- Terminal 11 Output 1
- Terminal 12 Output 1