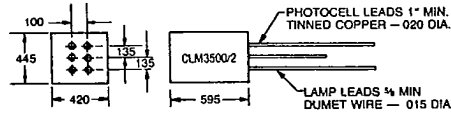
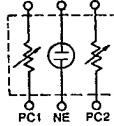


# CLM3500/2

## Neon Photoconductor Isolators



CLM3500/2 — Similar to the CLM3500 but features 2 isolated photocells output. Application: Tandem connection for 2 channel control and remote indication. Fast photocell response with minimum resistance modulation for AC to digital conversion and photo-chopper application.



### TECHNICAL DATA

NEON LAMP	CHARACTERISTICS	TEST CONDITIONS	CLM 3500/2			UNITS
			Min.	Typ.	Max.	
RATING (4)				105-125		volts AC
$V_i$ (1)	Initial breakdown			135		volts DC
$V_m$	Initial maintaining			75		volts DC
PHOTOCELL $V_{MAX}$	Cell voltage				100	volts DC or PAC
P	Power dissipation	25°C			60	milliwatts
PHOTOMOD $R_{ON}$ (1)(2)(5)	On resistance				500	ohms
$R_{OFF}$ (5)	Off resistance	10 sec. after $I_F \rightarrow 0$ 4 VDC on cell			1000	ohms
$t_R$ (3)	Rise time	time to 63% of final condition at $I_F = 1.2mA$		16		milliseconds
$t_D$	Decay time	Time to 100K		350		milliseconds
$V_{BD}$	Isolation		1600			volts DC or PAC
dRc/dt	Cell temperature coefficient	$I_F \geq 1mA$		1		%/°C

**Absolute Maximum Ratings:**

Temperature Storage — 40°C to 75°C      Operating — Derate power to 0 at 75°C

**NOTES:**

- (1) Data taken after > 96 hrs. dark + 1 min. ON.
- (2) 120V through 47K  $\Omega$  series resistor applied to lamp.
- (3) Lamp currents below 1mA are not recommended.
- (4) Max. initial breakdown voltage 95V AC. For DC operation use mon. of 150V DC.
- (5) Each element

FASCO INDS/ SENISYS

