

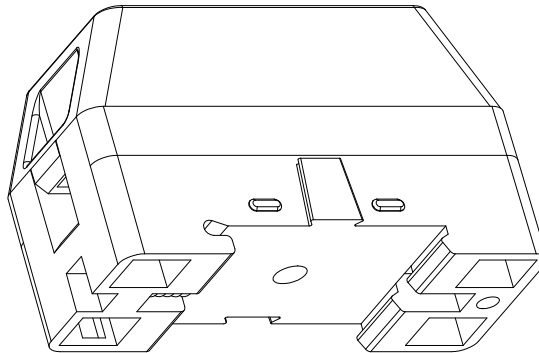
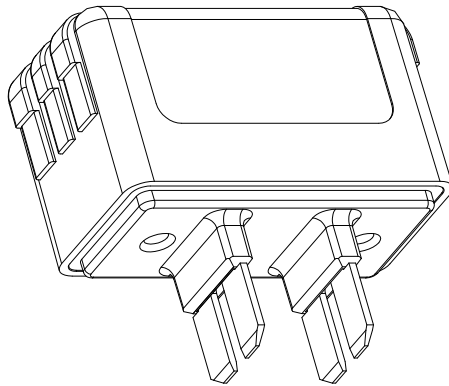
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REVISIONS

LTR	DESCRIPTION	ECO NUM.	DATE	APPROVED
D	UPDATE PER MARKUPS	9347	1/28/11	MPD
E	REMOTE STATUS DC ONLY	9816	6/6/11	MPD
F	UPDATE SECTION 1.0 TO INCLUDE CE	10641	4/30/12	MTH
G	UPDATE SHEET 4 OF 5 SUPP MODULE	13242	5/15/15	MPD



UNLESS OTHERWISE SPECIFIED DIM. IN INCHES BEFORE PLATING

DRAWN: NLD	DATE 9/20/02
CHECKED: CDD	11/1/02
ENGR. APPD: DWR	11/1/02
PROJ. APPD: JEB	11/1/02
APPROVED:	



SUPERIOR SURGE SUPPRESSION

TITLE:

I<sup>2</sup>R ICP SASD/MOV  
 Suppressor Specification

MATERIAL:

NOTED

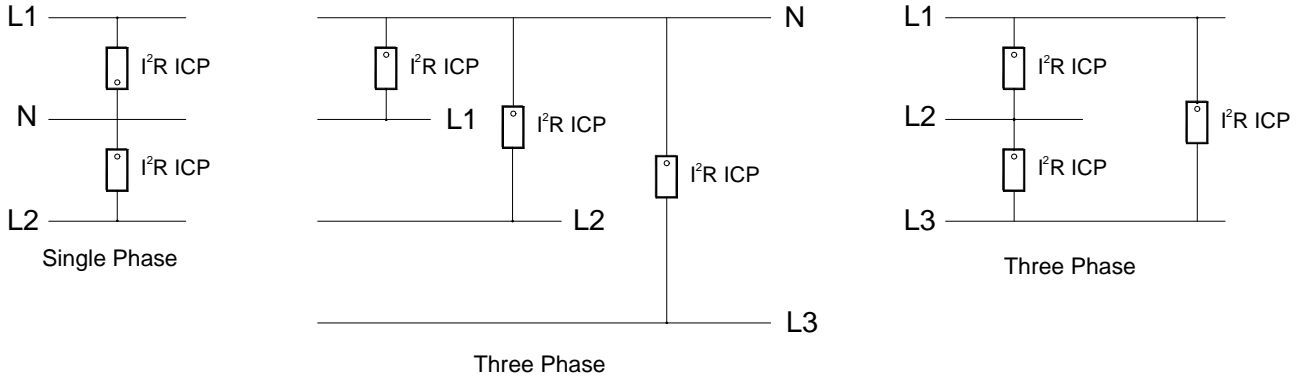
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SIZE A	CAGE 30992	DRAWING NUMBER 1400-429	REV G
SCALE = NA		PAGE 1 OF 5	



## 2.7 Multiple Unit Configuration:

### MULTIPLE UNITS AC

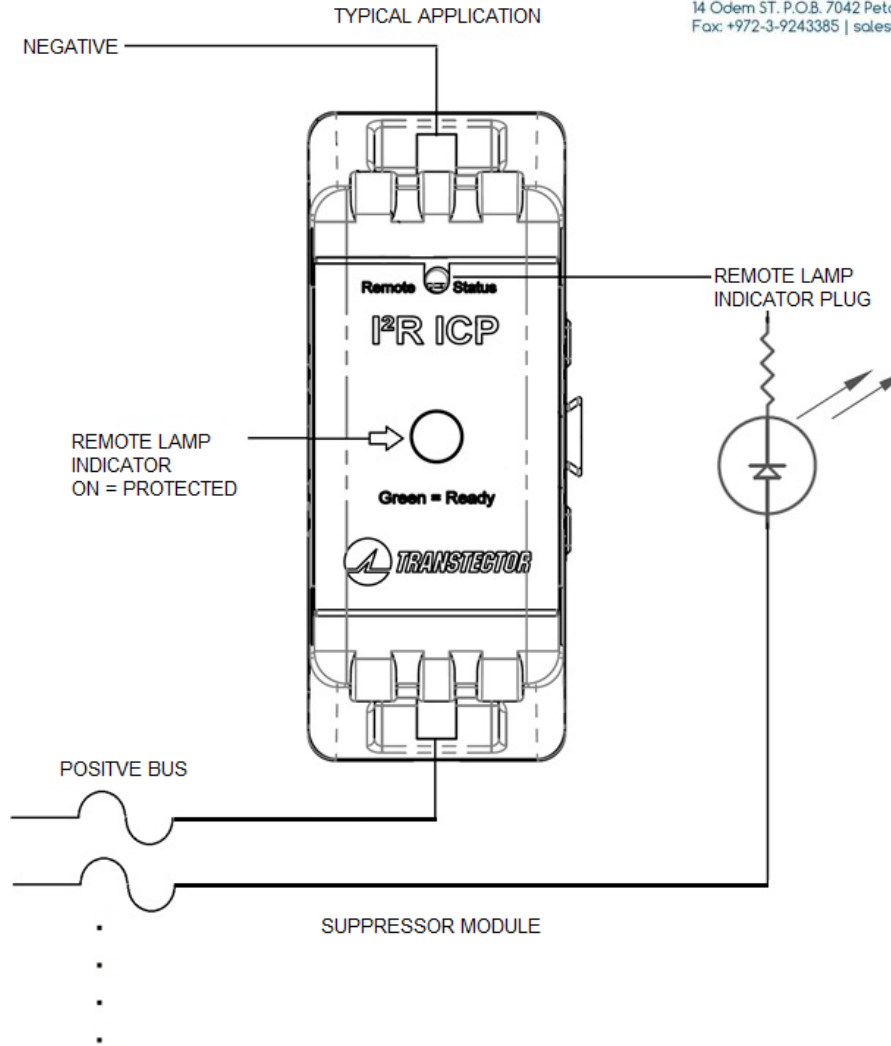


## 3.0 ELECTRICAL PERFORMANCE:

Model	Vbr	VPL (500 A 8/20)	MCOV	Voltage Protection Levels			
				2.5kA 8/20	7kA 8/20	10kA 8/20	300A 10/1000
I2R ICP 12 VDC	24	36	14	70	-	-	45
I2R ICP 24 VDC	40	54	28	83	-	-	64
I2R ICP 48 VDC	70	90	57	125	-	-	90
I2R ICP 240 VAC	450	600	280	530	610	-	515
I2R ICP 240 VAC W/RSC	450	600	280	530	610	-	515
I2R ICP 120 VAC MOV	270	500	140	725	1300	2000	400
I2R ICP 240 VAC MOV	505	800	280	1100	1800	2400	800
		3kA 8 x 20					
I2R ICP 120 VAC	225	500	140	275	340	-	255

### 3.1 Remote Status Capability (RSC):

- 3.1.1 Remote Status is available only on DC models.
- 3.1.2 Although device is not polarity sensitive, it is recommended that the remote status point be placed on the neutral or negative side.
- 3.1.3 Remote Status wiring\*:



**\*WARNING!!!! LIVE ELECTRICAL POWER WHEN TVSS IS ENERGIZED.**

**3.2 Additional data:**

**3.2.1 Suppression element used:**

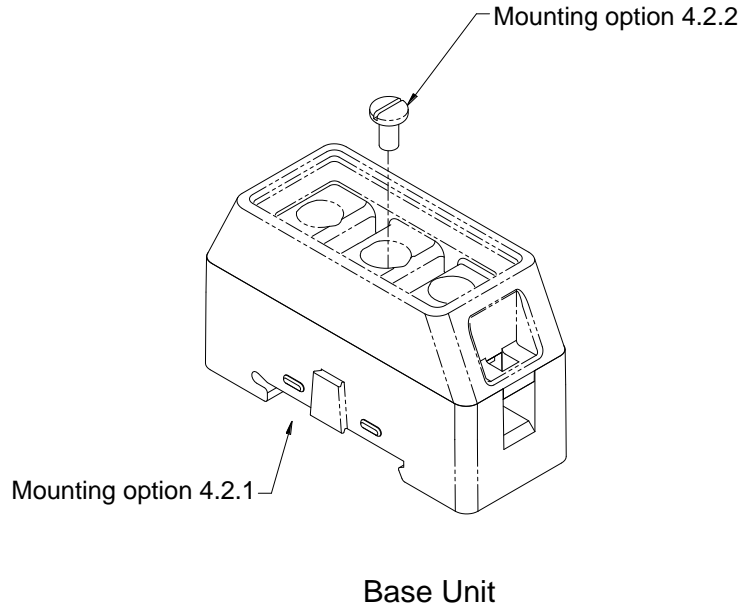
- 3.2.1.1 SASD modules.....Silicon Avalanche Diodes
- 3.2.1.2 MOV modules.....Metal Oxide Varistors

**3.2.2 Suppression element response time (off-to-full on):**

- 3.2.2.1 SASD ..... less than 5 nanoseconds
- 3.2.2.2 MOV .....20 nanoseconds

**4.0 MECHANICAL:**

- 4.1 Enclosure Description: The I²R ICP is comprised of two portions, the module and base. When assembled, the I²R ICP is 2.63” long, 1.09” wide and 2.67” tall.
- 4.2 Mounting: The I²R ICP has two mounting options:
  - 4.2.1 35mm DIN Rail
  - 4.2.2 Screw mount



## 5.0 ENVIRONMENTAL:

- 5.1 Operating Temperature .....-40°C to +80°C
- 5.2 Storage Temperature .....-40°C to +80°C
- 5.3 Relative Humidity .....100% (non-condensing)

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