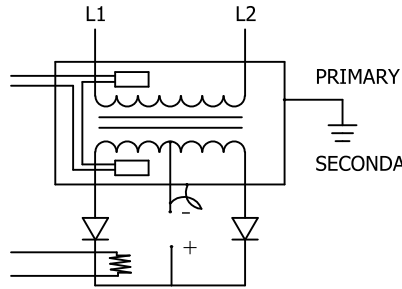


THERMOSTAT
NORMALLY
CLOSED

PRIMARY
130°C

SECONDARY
80°C

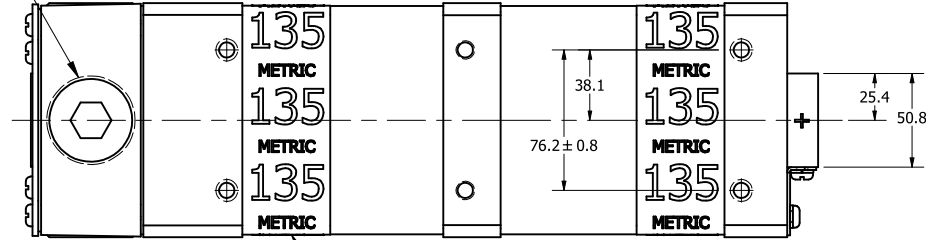
SECONDARY
PICKUP COIL



TRANSFORMER CASE MUST BE GROUNDDED. TRANSFORMER WILL BE SHIPPED WITH A JUMPER CONNECTING SECONDARY CENTER TAP TO CASE. USER MUST PROVIDE APPROPRIATE GROUNDING OF SECONDARY CIRCUIT. FOR APPLICATIONS ABOVE A 20% DUTY CYCLE, CONTACT ROMAN MANUFACTURING FOR ASSISTANCE.

ROMAN MODEL	KVA @ 50% DUTY CYCLE	PRI V/ FREQ	V/SEC	URNS RATIO	DIM "A"	DIM "B"	WEIGHT/ LBS (KG)	MAX. CHANGE IN PRESSURE	FLOW RATE	DCX NUMBER
TDC-5610	135	650/1000	9.0	72:1	463	279	70(32)	14 PSI (.96 BAR)	7.5 LPM	91-680-0516
TDC-5704	185	650/1000	13.0	50:1	463	279	70(32)	14 PSI (.96 BAR)	7.5 LPM	-
TDC-5681	135	800/1000	9.1	88:1	463	279	70(32)	14 PSI (.96 BAR)	7.5 LPM	-
TDC-5705	185	800/1000	13.0	61:1	463	279	70(32)	14 PSI (.96 BAR)	7.5 LPM	-

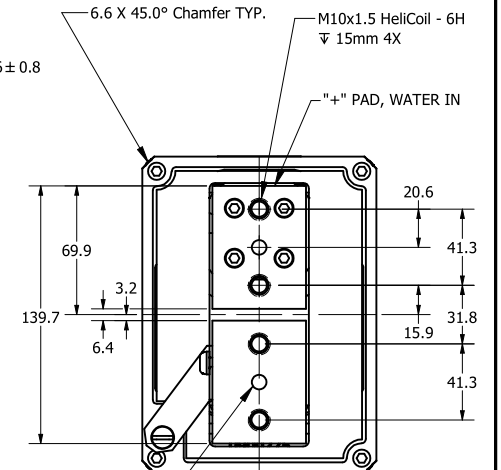
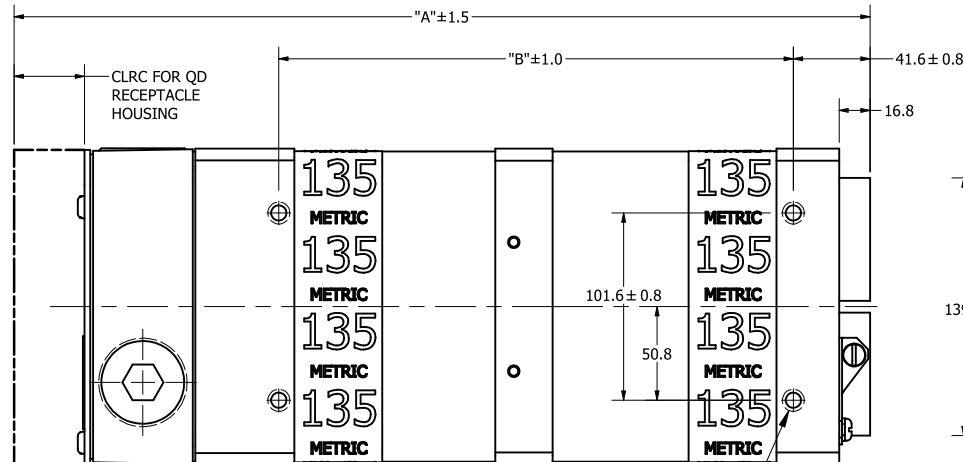
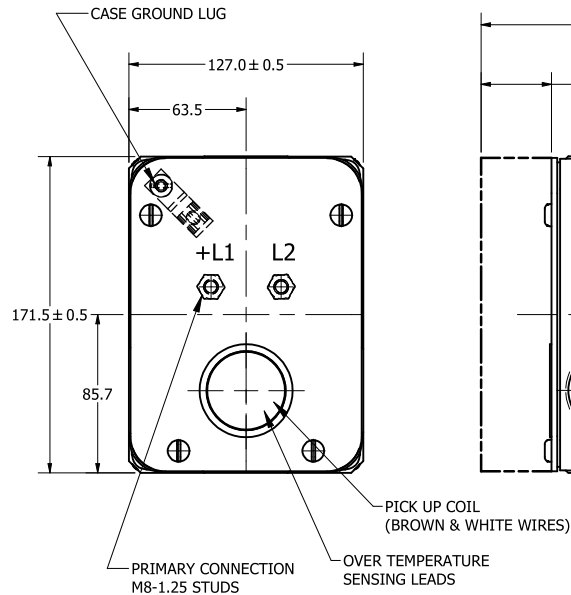
1 1/2 NPT PRI. OPENING 5X



KVA STICKER WILL REFLECT
CORRECT RATING PER
SPECIFIED POWER SUPPLY

NOTE*

The secondary terminals of this device are intended as an electrical connection only. Applications must be designed to minimize any forces applied to the secondary terminals, this can be accomplished by transferring forces to a structural member.



WATER CONNECTION (2X) USE
10mm I.D. O-RING 30°C
MAX. INLET TEMP.

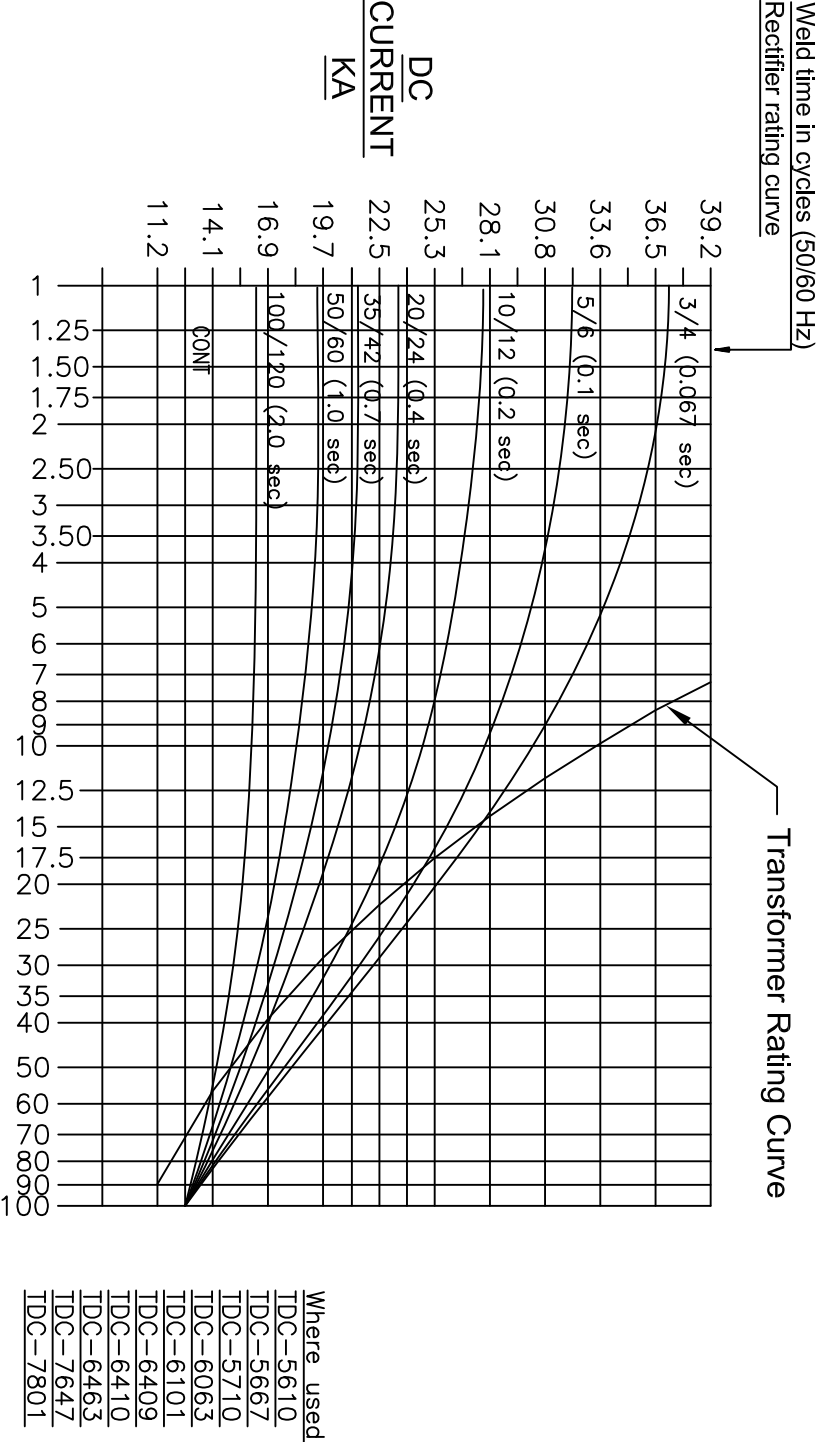
CONTACT THE MANUFACTURER FOR
PERFORMANCE SPECIFICATIONS

ALL DIMENSIONS IN MM

G	ADDED 6.6 x 45 DEG CHAMFER WAS 7/16 RADII	BCC	KLY	8/04/2006
F	ADDED KVA IDENTIFICATION LABELS	TV	KLY	12/18/2005
E	ADDED 'TDC-5704' & 'TDC-5705' TO TABLE	RB	KLY	10/10/2005

REV	DESCRIPTION	DATE
1	THIS DRAWING AND ALL THE INFORMATION AND TECHNOLOGY IN IT ARE EXCLUSIVE, CONFIDENTIAL AND PROPRIETARY TO ROMAN MFG. INC. THIS DRAWING IS OWNED BY ROMAN MFG. INC. AND UNLESS SPECIFICALLY AUTHORIZED IN WRITING, NO COPIES SHALL BE MADE OF THIS DRAWING, AND SHALL BE USED ONLY FOR THE LIMITED PURPOSE FOR WHICH IT IS DISCLOSED AND ONLY TO THE BENEFIT OF ROMAN MFG. INC., AND IT AND ANY COPIES, AUTHORIZED OR NOT, SHALL BE IMMEDIATELY RETURNED UPON ANY REQUEST THEREFORE.	
SCALE:	HALF	DRAWN BY: tvandyke
DATE:	5/3/2005	WEIGHT: N/A
POWER SUPPLY		
DRAWING NUMBER: 5610-1		

Power Supply Rating Diagram, Single Phase, Center Tap Rectifier.
Size "3" Rectifier



Notes:
These curves are based on rated water flow of 2 G.P.M (7.5 L.P.M.).
Maximum water in temperature of 30°C.
For applications above a 20% duty cycle, contact
Roman Manufacturing for assistance.
Rectifier Rating:
% Duty Cycle is based on shortest time from beginning of one
weld to the beginning of next weld. On time/(On + Off time).
Transformer Rating:
% Duty Cycle is total "On" time in one minute.

H	Added TDC-7647 to Where Used List	GMA GMA	17Dec18
G	Added TDC-7801 to Where Used List	GMA GMA	14Sep17
F	Added TDC-6409, TDC-6410 and TDC-6463 to Where Used List	KLY KLY	7Feb09
REV	DESCRIPTION	DATE	
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SCALE:	NONE	DRAWN BY:	TV
DATE:	04Aug05	REVISED:	
RATING CURVE			
DRAWING NUMBER:			RC-5610