Instructions for Capacitor Trip Device

I.L. 15146-A
File 29-000

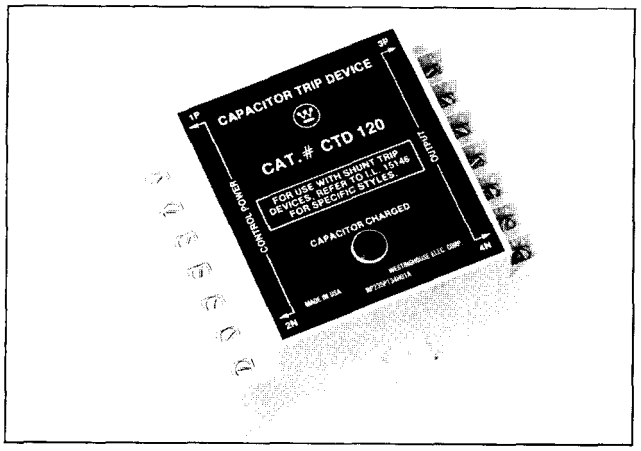

Fig. 1

General Description

The capacitor trip device as illustrated in Fig. 1 is a device designed to provide Emergency Tripping power to specified shunt trip devices for a short period of time following the loss of normal control power. The effective storage time following the loss of normal control power is a function of the energy requirement of the type of shunt trip device employed. At full rated voltage minimum storage times of five minutes can be expected when used with conventional electro-mechanical shunt trip devices while up to 20 minutes can be expected when used with low energy flux-transfer type shunt trip devices employed in seltronic breakers. These time periods are considerably longer than test standards require which is 5 seconds at a reduced control power voltage level of 75%.

A pilot light is included in the cover to indicate that the internal capacitor is charged to 75% of rated voltage and ready for a tripping operation.

CAUTION: **To avoid possible electrical shock with control power "off" avoid contact with terminals 3 and 4 until the internal capacitor is completely discharged.**

The device is available in a surface mounted polymeric lexan, enclosure for indoor installation or in a weatherproof enclosure. When face mounting is required, S#1264C67G01 mask should be ordered. Outline and mounting dimensions are illustrated in Fig. 3.

UL Listed

Listed by Underwriters' Laboratory Inc. as a circuit breaker accessory under File E-64983.

Table 1 — Capacitor Trip Styles

Style Number	Conventional Shunt Trip Voltage 50/60 Hz	Conventional Shunt Trip Dc	Seltronic Shunt Trip Voltage 50/60 Hz	Seltronic Shunt Trip Dc
1283C62G01	120	125	120	—
1283C62G02	60	60	—	—
1283C62G03	48	48	—	—
1283C62G04	24	24	—	24

① For applicable conventional shunt trip styles, see Table 2 and 3.
② For applicable seltronic shunt trip styles, see Table 4.

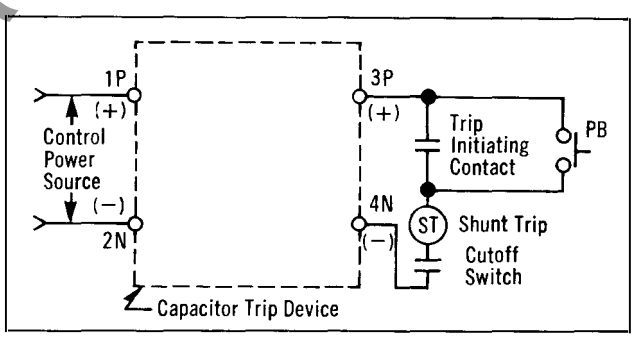

Fig. 2 *Connection Diagram*

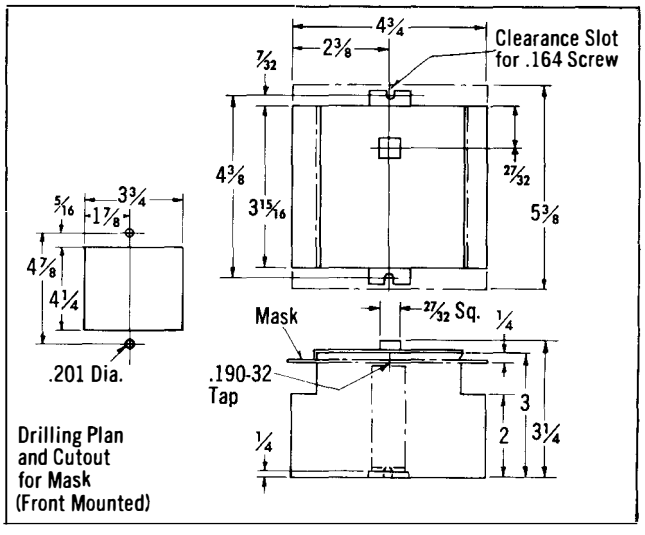

Fig. 3 *Outline Dimensions and Mounting Details*

Table 2 – Conventional Shunt Trip Style① Ac 50/60 Hz								
Breaker or Molded Case Switch Type	Style Numbers							
	24 Volts		48 Volts③		60 Volts		120 Volts	
	Left Hand	R/H	L/H	R/H	L/H	R/H	L/H	R/H
EB,EHB,FB HFB,FB TRI-PAC	2609D39G08	G22	G08	G22	G06	G20	G05	G19
MCP-150 (Max)	2609D41---	G22	--	G22	--	G20	--	G19
JB,KB,HKB MCP-250	2609D42G08	G22	G08	G22	G06	G20	G05	G19
KA,HKA,LB,HLB, MCP-480,DA	2605D15G08	G22	G08	G22	G06	G20	G05	G19
LA,HLA,LAB LA TRI-PAC	2606D56G08	G22	G08	G22	G06	G20	G05	G19
MA,HMA	2606D57G08	G22	G08	G22	G06	G20	G05	G19
NB,HNB, NB TRI-PAC	2606D58G08	G22	G08	G22	G06	G20	G05	G19
PB,PB TRI-PAC	2606D59G08	G22	G08	G22	G06	G20	G05	G19
SPB (Cat. No.)	SPB ST024A		048A		060D ©		125D ©	

① For complete style (or Cat. No.) include drawing (or Cat. No.) prefix shown in first column.
③ These styles are used on these voltages only when used with CTD.

Table 3 – Conventional Shunt Trip Styles② Dc								
Breaker or Molded Case Switch Type	Style Numbers							
	24 Volts		48 Volts③		60 Volts③		125 Volts	
	Left Hand	R/H	L/H	R/H	L/H	R/H	L/H	R/H
EB,EHB,FB HFB,FB TRI-PAC	2609D39G13	G27	G13	G27	G13	G27	G10	G24
MCP-150 (Max)	2609D41---	G27	--	--	--	G27	--	G24
JB,KB,HKB MCP-250	2609D42G13	G27	G13	G27	G13	G27	G10	G24
KA,HKA,LB,HLB MCP-400, DA	2605D15G13	G27	G13	G27	G13	G27	G10	G24
LA,HLA,LAB LA TRI-PAC	2606D56G13	G27	G13	G27	G13	G27	G10	G24
MA,HMA	2606D57G13	G27	G13	G27	G13	G27	G10	G24
NB,HNB NB TRI-PAC	2606D58G13	G27	G13	G27	G13	G27	G10	G24
PB, PB TRI-PAC	2606D59G13	G27	G13	G27	G13	G27	G10	G24
SPB (Cat. No.)	SPBST-024D		048D		060D ©		125D	

② For complete Style (or Cat. No.) include drawing (or Cat. No.) prefix shown in first column.
③ These styles are used on these voltages only when used with CTD.

Table 4 – Seltronic Shunt Trip Styles		
Seltronic Breaker Type	24 Volts Dc	32 to 120 Volts Dc or 50/60 Hz
LC,LCG HLC,HLCG	1371D93G01	1371D11G22
MC,MCG HMC,HMCG	1371D94G01	1371D72G22
NC,NCG HNC,HNCG	1371D94G05	1372D39G13
PC,PGC	1371D95G01	1372D35G22

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