

SUBMERSIBLE MOTORS

OVERLOAD PROTECTION OF THREE PHASE SUBMERSIBLE MOTORS

ADJUSTABLE OVERLOAD RELAYS

In addition to separate heater overload relays listed in the Franklin application data booklets, the following adjustable overload relays are approved for protection of Franklin Electric submersible motors when set as specified below and per the Franklin 60 Hz and 50Hz application data. Other relay types and alternate manufacturers relays may or may not provide acceptable protection and should not be used without approval from Franklin Electric.

AEG: series B17S, B27S, B27-2.

ABB: RVH40, RVH65, RVP160, T25DU, T25-CT.

Allen Bradley: Bulletin 193.

Automatic Switch: DQ, LR1-D, LR1-F and LR2-D13, -D23, -D33 only.

Clipsal: 6CTR, 6MTR.

Cutler-Hammer: C316F-, C310 (set for 6 seconds max.), 316P, 316S.

Fanal: K7 or K7D through K400.

Franklin Electric: Subtrol-Plus

Fuji: TR-OQ, TR-OQH, TR-2NQ, TR-3NQ, TR-4NQ, TR-6NQ, RCa3737-1CQ and -1CQH.

Furnas: US15, 48AG and 48BG, ESP100 (Class 10 only).

General Electric: CR4G-, CR7G-, CR324X (Class 10), RT*1, RT*2, RTE₃, RT*4.

Heineman: CF3-F4 through F100, SK103-F120, SK203-F160.

Kasuga: RU (Operating Time Code = 10 and & time setting to 4 or 6 seconds.).

Klockner-Moeller: Z00, Z1, Z4, PKZM3, PKZM1, PKZ2.

Lovato: RC9, RC22, RC80, RF9, RF25, RF95.

Matsushita: FKT-15N, 15GN, 15E, 15GE, FT-15N, 15E, FHT-15N.

Mitsubishi: ET, TH-K12ABKF, TH-K12ABKP, TH-K20KF, TH-K20KP, TH-K20TAKF, TH-K60KF, TH-K60TAKF

Omron: K2CM (Operating Time Code = 10 and & time setting to 4 or 6 seconds), SE-KP24E (set for 6 seconds max.).

Riken: PM1, PM3.

Samwha: EOCRS (set for Class 5 only), EOCR-ST, EOCR-SE, EOCR-AT (set for 6 seconds max).

Siemens: 3UA50, -52, -54, -55, -58, -59, -60, -61, -62, -66, -68, -70, 3VU13, 3VE, 3UB (Class 5)

Sprecher and Schuh: CT, CT1, CTA1, CT3, CT3K, CT3-12 through CT3-42, CT4, CT6, CT7, KTA3, CEF1 (set for 4 or 6 seconds), CEP7(Class10), CET3 (set for 4 or 6 seconds).

Square D Class 9065: TD, TE, TF, TG, TJ, TK, TR, TJE, TJF (Class 10), SS (Class 10), SR (Class 10), Integral 18, 32 & 63.

Telemecanique: LR1-D, LR1-F, and LR2-D13, -D23, -D33 only, GV2-L with LR2-D13 only, GV2-M, GV2-P and GV3-M (1.6 - 10 amp only).

WEG: RW2.

Westinghouse: FT13, FT23, FT33, FT43, K7D, K27D, K67D, Advantage (Class 10), IQ500 (Class 5), MOR (to 137Amps)

Westmaster: OLWROO and OLWTOO, suffix D through P.