



# SUBMERSIBLE PUMP CONTROLLERS

(With Single Phase Preventer, Wideband Coil, GM / PC Contactor)



## SALIENT FEATURES

- Controllers up to 75HP
- Contactor & Relay are bearing ISI mark for 6 HP, 30 HP, 50 HP & 75HP.
- Auto Restart, Single Phasing Protection, Phase Reversal & Phase unbalance.
- Contractors with Moulded & wide band Coils operates from 65% to 110%.
- Easy replacement of Spares.
- Suitable for Open Well and Bore Well Submersible Pumps.



## PECO INDUSTRIES

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**1) DOL Submersible Pump Controllers:**

TYPE	PGM-6	PGM-10	PGM-10H	PGM15
HP Rating, 3 PH	upto 6	upto 10	upto10	upto 15
Contactora, Coil Voltage	PK1, 360V	Gm1, 415V	Gm2, 415V	Gm3, 415V
Overload Relay Range	PK1, 4-5-6, 6-10, 9-14	Gm1, 4-6-5, 6-10, 9-14, 13-21	Gm2, 20-32 28-42	Gm2 28-42
Single phasing Prevention	Yes	Yes	Yes	Yes
Phase Reversible	Yes	Yes	Yes	Yes
Auto Restart	Yes	Yes	Yes	Yes
Rated insulation Voltage / Ui	690V	690V	690V	690V
Rated Operational Voltage Ue	360V AC	415V AC	415V AC	415V AC
Terminal Capacity	16 Sq. mm	16 Sq. mm	16 Sq. mm	16 Sq. mm
Pick-up Voltage	70% to 110% Uc	60% to 110% Uc	60% to 110% Uc	60% to 110% Uc
Drop off Voltage	20% to 50% Uc	20% to 50% Uc	20% to 50% Uc	20% to 50% Uc
Conformity to Standard	IS/IEC 60947-4-1	IS/IEC 60947-4-1	IS/IEC 60947-4-1	IS/IEC 60947-4-1
Degree of Protection	IP54	IP54	IP54	IP54



PGM-6



PGM-10



PGM-15



PGM-50



PGM-30



PGM-20

**2) FSAD Submersible Pump Controllers:**

TYPE	PGM-15	PGM-20	PGM-20H	PGM25
HP Rating, 3 PH	10HP, 15HP	26HP, 20HP	20HP	25HP
Contactora, Coil Voltage	PK1, 360V	Gm1, 415V	Gm2, 415V	Gm3, 415V
Overload Relay Range	PK1, 6-10,9-14 11-18, 13-22	Gm2, 9-14, 13-21	Gm2, 20-32 28-42	Gm2 28-42
Single phasing Prevention	Yes	Yes	Yes	Yes
Phase Reversible	Yes	Yes	Yes	Yes
Auto Restart	Yes	Yes	Yes	Yes
Rated insulation Voltage / Ui	690V	690V	690V	690V
Rated Operational Voltage Ue	360V AC	415V AC	415V AC	415V AC
Pick up Voltage	65% to 110%	70% to 110%	70% to 110%	70% to 110%
Drop off Voltage	25% to 35%	20% to 50%	20% to 50%	20% to 50%
Conformity to Standard	IS/IEC 60947-4-1	IS/IEC 60947-4-1	IS/IEC 60947-4-1	IS/IEC 60947-4-1
Degree of Protection	IP54	IP54	IP54	IP54

TYPE	PGM-30	PGM-50	PGM-75
HP Rating, 3 PH	20HP, 30HP	30HP, 50HP	50HP, 75HP
Contactora, Coil Voltage	PC2, 360V	PC4, 320V	PC6, 380V
Overload Relay Range	PNR5 30-50	PNR 45-75	PNR5 45-75 66-110
Single phasing Prevention	Yes	Yes	Yes
Phase Reversible	Yes	Yes	Yes
Auto Restart	Yes	Yes	Yes
Rated insulation Voltage / Ui	690V	690V	690V
Rated Operational Voltage Ue	380V AC	380V AC	380V AC
Pick up Voltage	70% to 110%	70% to 110%	70% to 110%
Drop off Voltage	20% to 50%	20% to 50%	20% to 50%
Conformity to Standard	IS/IEC 60947-4-1	IS/IEC 60947-4-1	IS/IEC 60947-4-1
Degree of Protection	IP54	IP54	IP54

