

Miniature Controller – 61FGPN



- Space saving, conductive level controller
- Intended for single or two point level control of conductive materials (liquid or solid)
- Electrical connections are via a plug-in octal base

H = 50, W = 38, D = 70

Operating voltage 110V ac or 240V ac (-15%, +10%)
 Electrode voltage 8V ac
 Output Changeover relay 5A @ 240V ac/24V dc
 Dielectric strength 1500V ac 50/60Hz
 Power consumption 3.2VA max
 Temperature range -10°C to +55°C

Mfrs. List No. 61FGPN2 110Vac = 177-887, 61FGPN2 240Vac = 177-888, PF083AE = 176-961

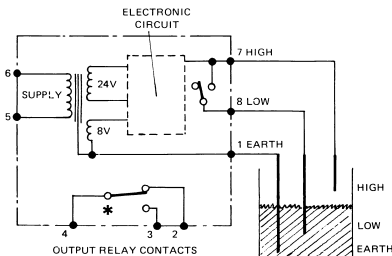
PLC10X

Operating Voltage	Order Code	Price Each		
		1+	5+	10+
110V ac	177-887			
240V ac	177-888			
Surface/DIN rail socket	176-961.	1+		

Controllers – 61FGP Series



61FGPN8/H
H = 50, W = 38, D = 70



- Plug-in conductive level controls ideally suited to control top and/or bottom levels of fluids in conjunction with appropriate electrode assembly
- Wiring for 2 point operation, shown above. For single operation omit Low Level Probe.

General Purpose — 61FGPN8

- Single point or differential level control of all conductive liquids. Also suited for refrigeration as an ice bank controller.

High Sensitivity — 61FGPN8H

- For liquids having very high specific resistances of the order of $10^5 \Omega/\text{cm}$, such as boiler condensation, distilled water and damp sand.

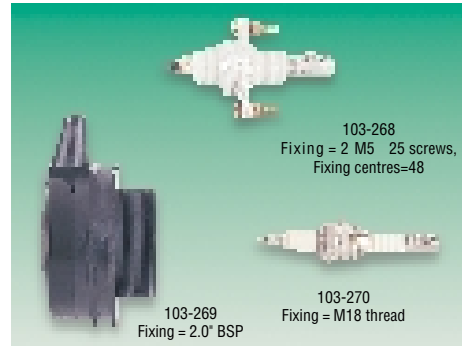
Operating voltage 110V, 230V 50/60Hz Dielectric strength 1500V ac
 Operating voltage range 85 to 110% Power consumption 3.2VA max
 Contact rating 3A @ 230V ac Temperature range -10°C to +55°C
 Insulation resistance 100M Ω min @ 500V dc

Type	Probe Voltage	Operate Resistance	Release Resistance (max)
General purpose	8V ac	4k Ω	15k Ω
High sensitivity	24V ac	70k Ω	300k Ω

PLC11X

Operating Voltage	Order Code	Price Each			
		1+	5+	10+	25+
General Purpose (61FGPN8)					
110V ac	202-198				
230V ac	202-204				
High Sensitivity (61FGPN8H)					
110V ac	202-228				
230V ac	202-253				
Din Rail/Surface Mount Bases	176-961.	1+			

Electrode Holders



Single Holder

Single electrode holder for low specific resistance liquid applications. For acids, alkalis and seawater, electrode holders will operate correctly when they are up to 1 metre apart.

Triple Holder

Triple electrode holder for city water and other general applications. Holder has protective terminal cover. Three electrodes may be fitted.

Single Holder (High Temperature/Pressure)

Single electrode holder for high temperature and high pressure applications. For use at temperatures up to 250°C and pressures up to 20kg/cm² at the lower portion of the electrode screw. Withstand temperature at the upper portion of the screw is 150°C.

ELECTRODE ORDER CODE 103-275 IS SUITABLE FOR THE ABOVE HOLDERS, SEE **PAGE 1209**

Mfrs. List No. BF1 = 103-268, PS3S = 103-269, BS1 = 103-270

PLC12X

	Order Code	Price Each			
		1+	5+	10+	25+
Single	103-268				
Triple	103-269				
Single (high temp/pressure)	103-270				

Triple Electrode Set



Fixing = 0.5" BSP

Triple electrode holder complete with three 1 metre 4mm dia probes. Small size and light weight for where limited space is available.

PLC13X

Mfrs. List No.	Order Code	Price Each			
PS31	.103-272	1+	5+	10+	25+

Electrodes and Accessories



Electrode

1 metre 6mm stainless electrode is threaded at each end to suit electrode holders Order Codes 103-268/269/270 listed on **page 1209**. This electrode can be used in fresh water, drained water, sea water, alkali and dilute acids.

Electrode Separator

In order to prevent mutual contact use separators particularly where electrodes are being coupled together to form long lengths.

Electrode Connector

When a long electrode is needed, use two or more electrodes and connect them with electrode connectors.

Mfrs. List No. F03-01 = 103-275, F03-14-3P = 103-273, F03-02 = 103-274

PLC14X

	Order Code	Price Each			
Electrode	.103-275	1+	5+	10+	25+
Electrode separator	.103-273				
Electrode connector	.103-274				