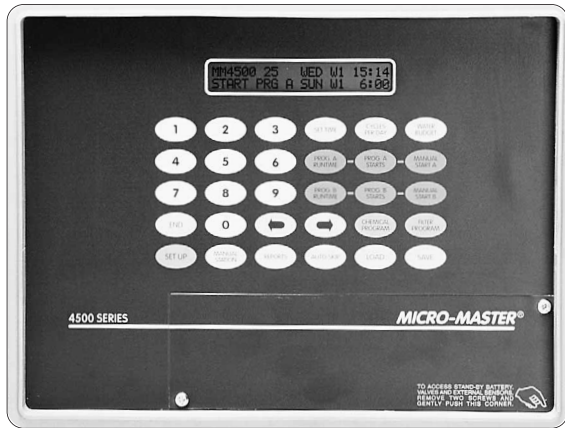




Ag Irrigation

**Micro-Master® 4500
and 4500 PLUS Series
Controllers**



Liquid Crystal Display shows:

Normal Time

1. Time and day.
2. Next program and start time.
3. Rain Switch displayed, or power fail signal.

During irrigation cycle:

1. Program in cycle.
2. Operating station with run time remaining.
3. Chemical injection status and run time.
4. Filter status and run time.

Dimensions

Description	Height (mm)	Width (mm)	Depth (mm)
Micro-Master® 4500 Series and 4500 Plus Series	220	300	130

ORDERING INFORMATION

Code	Description
1013572	4500 Series 16 Station 240/24 VAC Controller c/w 12 VDC Power Conversion Kit
1013570	4500 Series 25 Station 240/24 VAC Controller c/w 12 VDC Power Conversion Kit
1013588	12 VDC to 24 VAC Inverter including Adaptor Cable, Regulator, Battery Isolator, 6 m cable, 2 x 4M8 Lugs and Terminals - requires 90 AH Battery.
1013580	Lightning Rod Kit - including Copper Rod (1.8 m), Clamp and 30 m of 6 mm ² cable
1013581	GSM Modem suit Satellites to Telephone Communications
1013536	Landline Modem suits Satellites to Telephone Communications
1013575	Solar Panel for 24 VAC operation - c/w panel, Mounting Brackets and DC/AC Inverter
1013582	Solar Panel for 12 VDC operation - c/w Panel, Mounting Brackets
1013583	4500 Series rain Tipping Bucket - Connects to Satellite(s)
MM4500P-16	4500 Plus Series 16 Station 240/24 VAC Controller c/w 12 VDC Power Conversion Kit
MM4500P-25	4500 Plus Series 25 Station 240/24 VAC Controller c/w 12 VDC Power Conversion Kit

See page 108,109 for software package and accessories.

Electrical Specifications

- Input power: 240 volt 50 Hz. Single phase or 12 volt DC. (110 volt 60 Hz by request).
- Operating limits: 210 VAC to 265 VAC or 11 VDC to 16 VDC.
- Quiescent 12 V input power: 15 mA at 12 VDC (55 mA with one output relay and pump start relay active), total current = solenoid current + 70 mA.
- Output power: Total station capacity, 24 VAC at 2.0 A max. or 12 VDC at 2.0 A max.
- Superior lightning and surge protection: Transformer primary, 275V, 2,500 amp/20 micro sec. Surge protection, A-E, N, E. Transformer secondary, 24 VAC, 6,500 amp/20 micro sec. Field wiring (32 stations and pump start), 6,500 amp/20 micro sec.
- Large valve wiring terminals, detachable, do not need to remove valve wires for servicing.
- Relay outputs to field valves ensures reliable operation in the most rugged conditions.
- Permanent program memory maintains all set programs if power fails. No standby battery is required.
- 9 volt Alkaline battery (included) keeps correct time during power failure (150 hours nominal).

Operating Conditions

- Temperature: -10°C to 65°C
- Humidity: Max 95% non condensing.
- Australian Approval Certificate.