



# MASTERWELD

## Masterweld VRD 450i

The VRD 450i is an open circuit voltage reducer, designed for use with MMA welding machines to provide a low voltage of less than 24 volts DC at the electrode holder when welding is not in progress. This reduces the risk of electric shock to the operator, which is especially important when welding in areas of increased hazard. The unit is designed for AC and DC type power sources.

### Features

- Inline open circuit voltage reducer, which requires no auxiliary power.
- Open circuit voltage is less than 24 volts and always DC.
- AC or DC operation.
- Inbuilt anti-stick circuit switches off the power if electrode freezes in weld.
- Operating time of unit to a safe voltage is within 0.3 seconds.
- Green ready light shows unit is ready to weld.
- Unit constantly monitors OCV, in the event of a fault a red light starts to flash.
- Mounting bracket enables unit to be secured to a wall or machine easily.
- Designed to meet BS EN60974-1 and EN50199.



### Technical specifications

Power source	OCV 50 – 100 V AC or DC
Amperage rating	450A@ 60% AC or DC
Reduced OCV	Less than 24 V DC
Operating time T1	(start time available after touch down) 0-2 sec (1.0 as standard)
Operating time T2	(time to reduce to safe voltage) 0-1 sec (0.3 as standard)

