









The Murex Transarc "Open Circuit Voltage Reducer" is designed for use when Manual Metal Arc welding up to 400A with either a DC (rectifier or generator) or AC (transformer) power sources. It provides a low voltage at the electrode holder (<24Vdc) when welding is not in progress. This reduces the risk of electric shock when operating in areas of increased hazard.

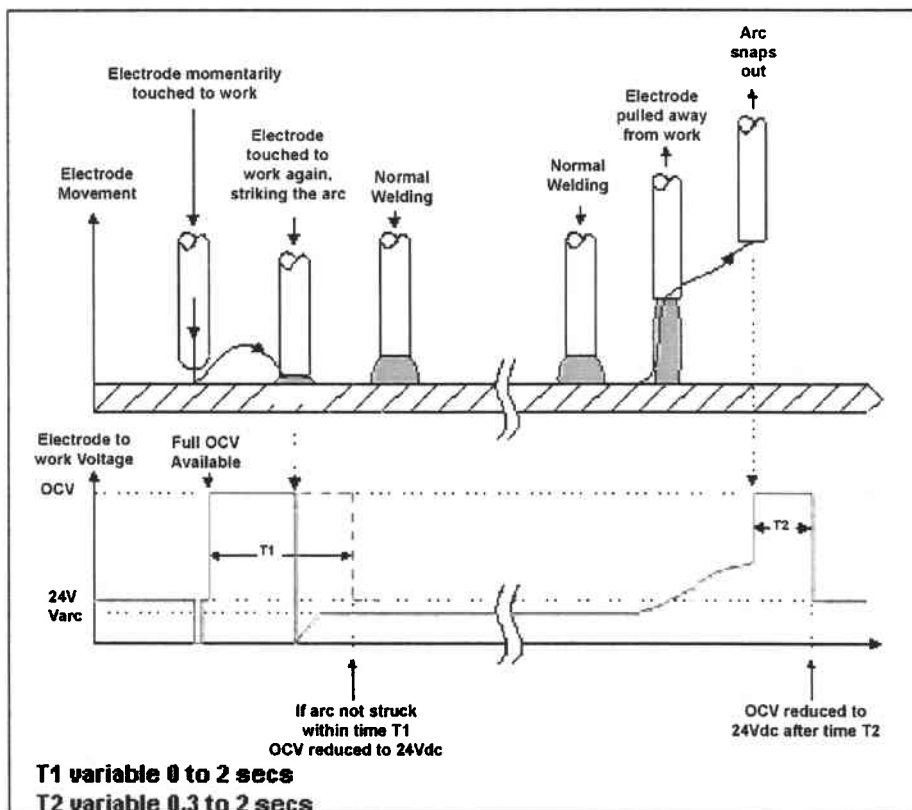


-  **In-Line MMA Open Circuit Voltage Reducer**
-  **Meets all new ENs and safety legislation**
-  **AC or DC operation**
-  **Safe 24V dc at the electrode when arc not struck**
-  **No auxiliary power required to operate**
-  **Sealed wall mountable metal enclosure**
-  **Unique stall protection circuit switches off power if electrode frozen in weld**
-  **Voltage reduced to 24V within 0.3 seconds of breaking the arc**

### Specification

Power Source OVC:	100V RMS or Average max	Reset Times:	T1:0-2sec, T2: 0.3-2secs
Polarity:	AC or DC	Standards:	EN609741, EN50199, IP23
Rating:	400A at 35% duty (10 min)	Dimensions:	300x300x120mm
	300A at 60%	Weight (net):	11.5kg
	250A 100%		
Reduced OCV:	24Vdc max	Part No:	1415590

### Operation







# Transarc OCVR AC/DC Open Circuit Voltage Reducer

## Introduction

The Murex Transarc "Open Circuit Voltage Reducer" is designed for use when Manual Metal Arc welding up to 400A with either DC (rectifier) or AC (transformer) power sources. It provides a low voltage at the electrode holder (<24Vdc) when welding is not in progress. This reduces the risk of electric shock when operating in areas of increased hazard.

Manufactured in a fully enclosed weatherproof case the unit should be vertically mounted on a suitable wall or bulkhead (cables and connections under). No auxiliary or independent power is required to run the unit as it is powered automatically from the open circuit or arc voltage. A red indicator light on the cover panel is illuminated when reduced OCV is present at the electrode holder.

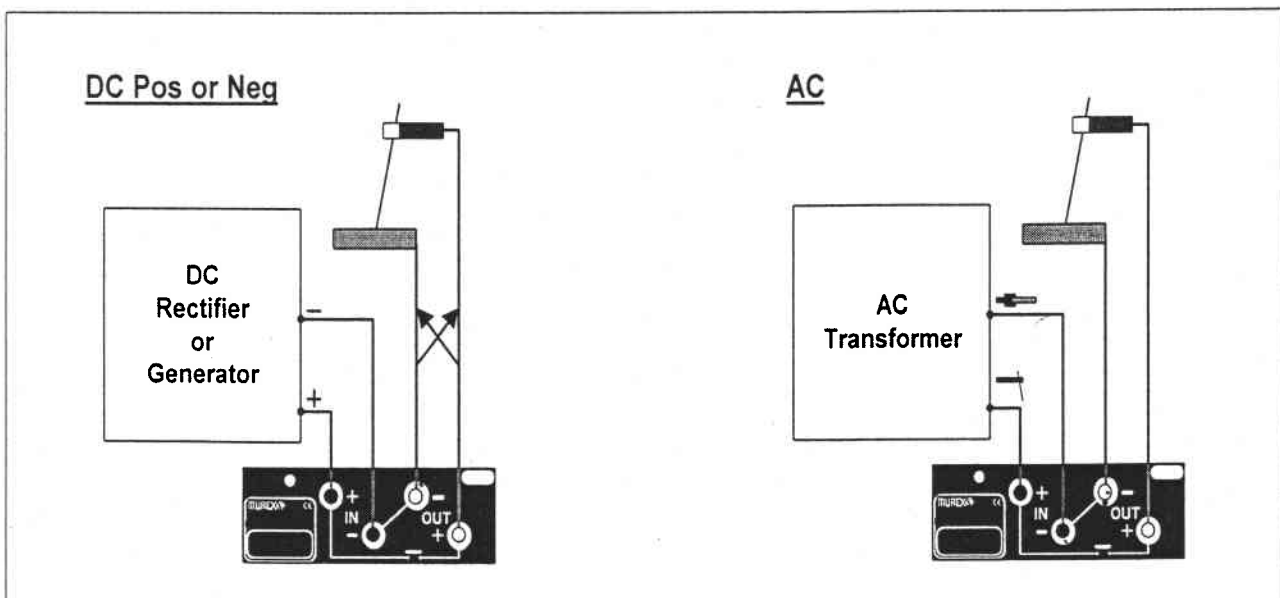
An exclusive monitoring circuit in the Transarc OCVR senses if the electrode is stalled or stuck on the work and automatically disconnects welding output.

## Specification

Power Source OVC:	100V RMS or Average	Reset Times:	T1: 0-2sec, T2: 0.3-2secs
Polarity:	AC or DC	Standards:	EN609741, EN50199, IP23
Rating:	400A at 35% duty (10 min)	Dimensions:	300x300x120mm
	300A at 60%	Weight (net):	11.5kg
	250A at 100%		
Reduced OCV:	24Vdc max		

## Installation/Connection

It is recommended that the unit be vertically mounted on a convenient wall or bulkhead with the inlets and outlets at the bottom to prevent the ingress of water. Although the unit is weatherproof, Murex recommends that it is protected from rain or direct water spray. **DO NOT WELD IN THE RAIN**



**IN DC DO NOT REVERSE THE POWER SOURCE CONNECTIONS**

