

# **OC35-DC TRANSMITTER**

Owner's Manual

**ORBIT CONTROLS AG**  
Zürcherstrasse 137  
CH-8952 Schlieren/ZH  
**Tel: + 41 44 730 2753**  
**Fax: + 41 44 730 2783**

info@orbitcontrols.ch  
www.orbitcontrols.ch

## Vor dem Einschalten

Überzeugen Sie sich, ob Ihre Sendung das richtige Gerät Orbit Controls Modell OC 35-DC beinhaltet, einschliesslich einer Betriebsanleitung OC 35-DC

Vor dem Einschalten des Gerätes überprüfen Sie die Anschlüsse und die Versorgungsspannung. Ein falsch angeschlossenes Gerät kann beschädigt werden und damit auch die mitverbundene Folgeelektronik. Für falsche Handhabung wird jede Haftung abgelehnt.

### ZU BEACHTEN

Dieses Gerät wurde sorgfältig verpackt. Falls es bei Ihnen in beschädigtem Zustand eintrifft, benachrichtigen Sie unverzüglich den Orbit Controls Kundendienst (Tel: +41 44 730 2753 oder Fax: +41 44 730 2783) und nehmen Sie einen Schadenrapport auf, welchen Sie auch von der Transportgesellschaft unterschreiben lassen. Bewahren Sie bitte das Verpackungsmaterial für eventuelle Reklamationen auf.

## Unpacking Instructions

Remove the Packing List and verify that you have received all equipment, including the following:

Orbit Controls Model OC 35-DC.

Operator's Manual OC 35-DC.

If you have any questions about the shipment, please call the Orbit Controls Customer Service Department.

### NOTE

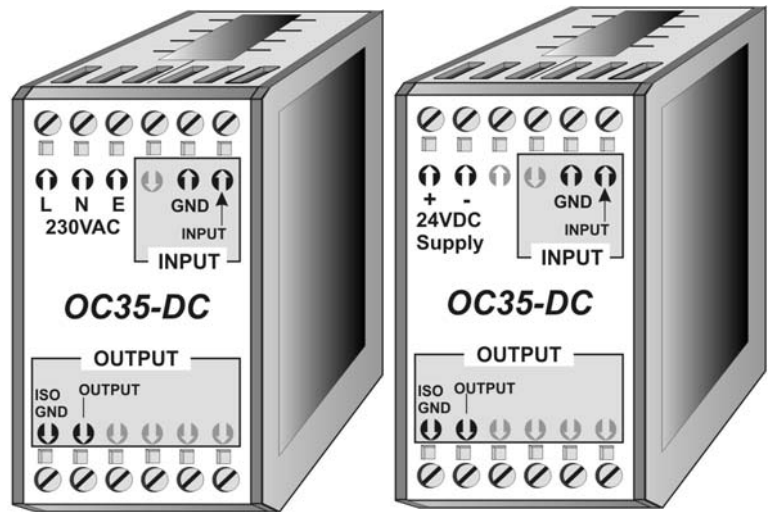
*When you receive the shipment, inspect the container and equipment for signs of damage. Note any evidence of rough handling in transit. Immediately report any damage to the Orbit Controls customer service, Phone +4144 730 2753 or Fax +4144 730 2783 and to the shipping agent.*

*The carrier will not honour damage claims unless all shipping material is saved for inspection. After examining and removing contents, save packing material and carton in event the reshipment is necessary.*

# Transmitter for DC-Signals

## OC35-DC

- ✓ DC- Voltage
- ✓ DC- Current
- ✓ Isolated Voltage Output
- ✓ Isolated Current Output
- ✓ Supply 230VAC
- ✓ Supply 24VDC
- ✓ For 35 mm DIN - rails



**OC35-DC** are transmitters for DC voltages or currents. They convert the DC input signal into 0/4-20mA, 0-5V or 0-10V output signal. The transmitters are supplied from AC mains or DC sources. The output signal is isolated from the input and the supply.

With two Potentiometers inside the instrument (Option: at the front) the output signal can be adjusted. The potentiometer MIN serves for Zero or 4mA adjustment, the potentiometer MAX for 10V or 20mA.

The connections are with screw terminals. The cabinet is designed for 35mm DIN-rails.

### SPECIFICATIONS

Input:	Voltages:	0 ... 60mV to 0 ... 250V DC.
	Currents:	0 ... 1 mA to 0 ... 5A DC. For larger currents 60mV or 150 mV shunts can be used. The range has to be specified with the order.
Frequency Range:	Standard:	Low Pass Filter 0.1Hz.
	Option:	DC-10kHz without LPF.
Output:	Voltage:	0 ... 10V isolated. Isolation 250V R.M.S. or
	Current:	4 - 20mA isolated. Isolation 250V R.M.S.
		The LPF defines the settling time of the analogue output.
Accuracy:		$\pm 0.05\%$ from reading plus $\pm 0.05\%$ from full scale.
Tempco:		$\pm 50$ ppm/°C.
Adjustment		Potentiometer MAX and MIN at the front for 0V/4mA and 10V/20mA.
Supply:	Standard:	230V $\pm 10\%$ , 48 - 60Hz, 2VA.
	Option DC:	24V DC (18 - 36V), 2W.
Cabinet:		For 35mm DIN- rail. Dimensions: 75 x 79 x 40 mm, 200 g.
Connections:		Screw terminals.

# RECOMENDED GROUNDING

## IMMUNITY TEST

E.U.T.: OC35-DC  
S.N: 200329  
Supply: 230VAC  
Input: 4 - 20 mA  
Output: 4 - 20 mA isolated

Technician: S. Batinic.

Zürich, 23.3.2000

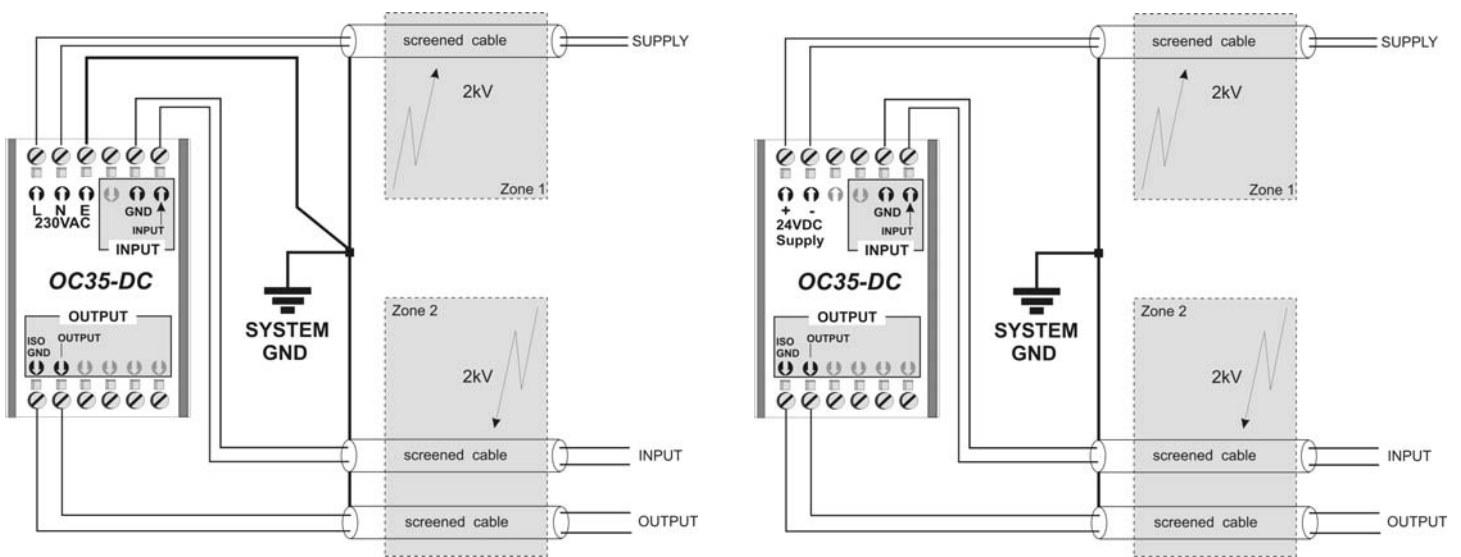
## TESTER

HILO CE Tester

## CE-NORM

IEC 801 - 4  
IEC 1000-4-4  
EN 50052-1

## TEST SET - UP



## TEST RESULTS

With standardized burst of 2kV into the supply (Zone 1) or into the input signal (Zone 2) the output signal remains within the specified tolerances of  $\pm 0,1\%$ .