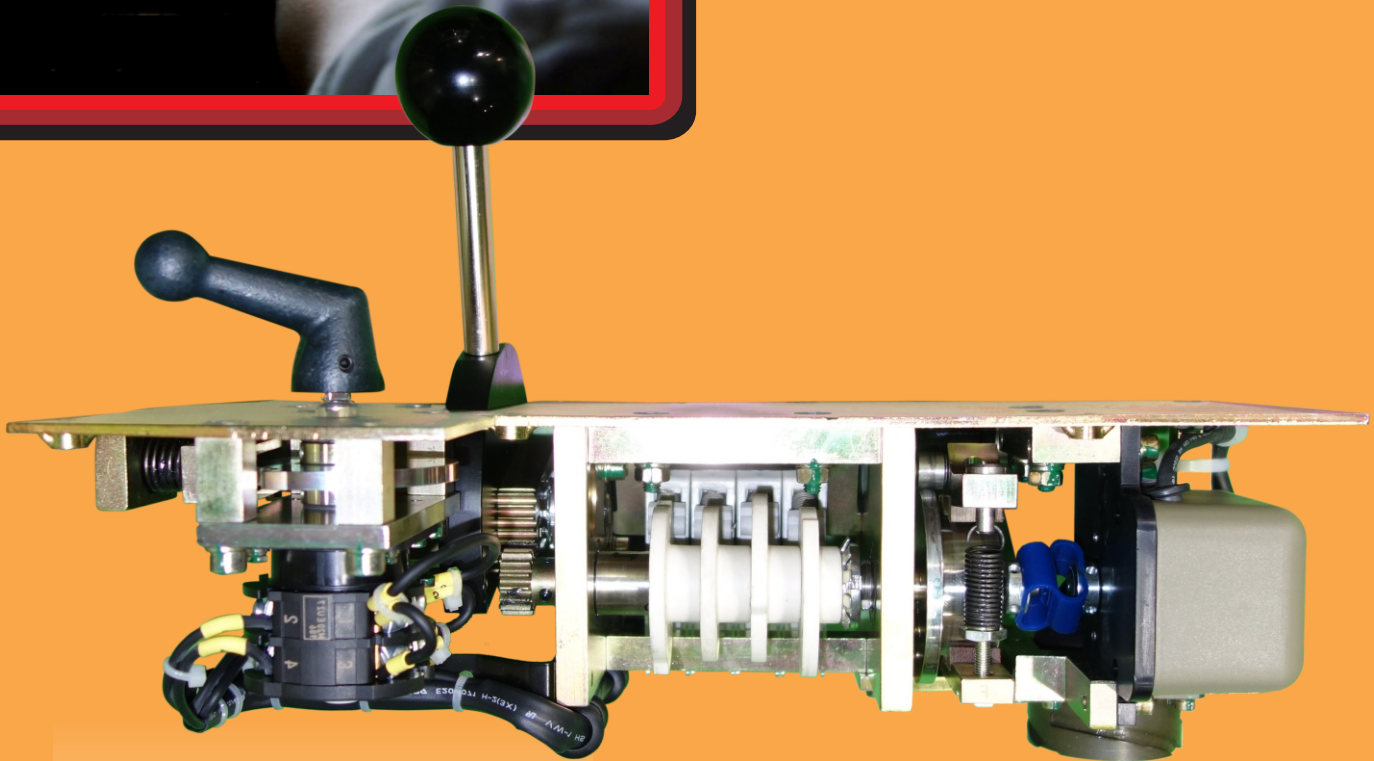




**Autometers Alliance Ltd**



# MASTER CONTROLLER



## Product Details

Master Controller is manually operated equipment that comprises the control elements required for driving and braking, as well as for controlling the auxiliary function of traction rail vehicles from Driver's desk. Master controller offered by **Autometers Alliance Ltd** is suitable for use on 3-phase, 25KV, AC Locomotives as well as in the Driving Cars of EMUs.

## Salient Features

- Reliable and have High-Precision response.
- Requires no maintenance.
- Modular and compact design.
- Ease of connection with Circuit through bayonet connector and SUB D connector.
- Robust design to withstand vibration encountered during service.
- Enhance service life due to low friction of moving parts.

## Technical Data

Description	Values
Installed Position	Horizontally on driver's Desk in Driver Cabin.
Drive direction selector (Reverser) Switch	<ul style="list-style-type: none"> <li>• Handle Position. <b>R</b> (Reverse) – <b>O</b> (Neutral) – <b>F</b> (Forward), Manually operated.</li> <li>• Mechanical interlocking with master controller's drive / brake control handle.</li> <li>• On request, the reverser handle can be detached for use as key.</li> </ul>
Break/drive handle	<ul style="list-style-type: none"> <li>• Handle Position. <b>BE</b> (Breaking mode) – <b>O</b> (Neutral) – <b>TE</b> (Traction mode).</li> <li>• Manually operated.</li> </ul>
<b>Auxiliary Switch</b> <ul style="list-style-type: none"> <li>• No of auxiliary contacts actuated by Brake / Drive handle</li> <li>• Auxiliary Switch Rated supply voltage</li> <li>• Mechanical life of Contact Switch</li> </ul>	<ul style="list-style-type: none"> <li>• 4 units.</li> <li>• 72V (Tolerance +25% &amp; -30%).</li> <li>• 10,000,000 switching cycles.</li> </ul>
<b>Angel Converter</b> <ul style="list-style-type: none"> <li>• Input Power supply</li> <li>• Angle Range</li> <li>• Output current (mA)</li> </ul>	<ul style="list-style-type: none"> <li>• 24VDC (tolerance +25% to -30%) / 30mA.</li> <li>• -120° to +120°.</li> <li>• 2 to 20.</li> </ul>
Dielectric Test Voltage (50Hz for 1min.)	Live parts against ground - 1500V Auxiliary contact against ground - 1500V Across open auxiliary contacts - 2000V
Operating temperature range of equipment	- 25°C to + 70°C
Weight	Approx. 10 Kg.



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