

***MTA1 CAN, M1 10Prog CAN, AT1 CAN,  
AT1 CoarseFine CAN, M1, AT1, AT1  
CourseFine, RA 12, RA 23, RA T1, FS  
002 CAN, FS 002***



**Instruction manual**

<b>1 INTRODUCTION</b> .....	<b>3</b>
1.1 Equipment .....	3
<b>2 OPERATION</b> .....	<b>3</b>
2.1 Functions .....	3
<b>3 ORDERING SPARE PARTS</b> .....	<b>5</b>
<b>DIMENSION DRAWING</b> .....	<b>6</b>
<b>DIAGRAM</b> .....	<b>8</b>
<b>ORDERING NUMBER</b> .....	<b>13</b>
<b>ACCESSORIES</b> .....	<b>14</b>

# 1 INTRODUCTION

These remote controls can control current, wire feed speed, voltage or program selection.

ESAB's accessories for the product can be found on page 14.

## 1.1 Equipment

The remote controls are supplied with an instruction manual.

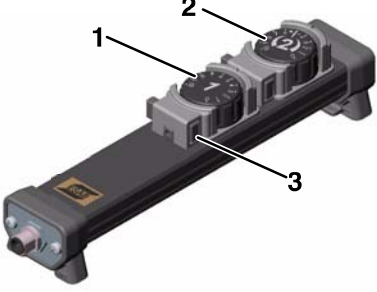
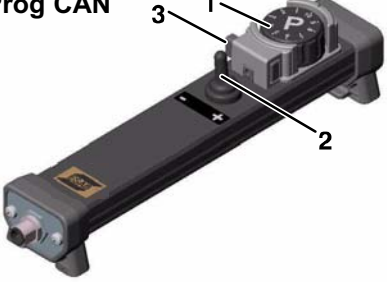

FS 002 CAN and FS 002 are delivered with 5 metres connection cable, for the other remote controls shall the connection cable be ordered separated.

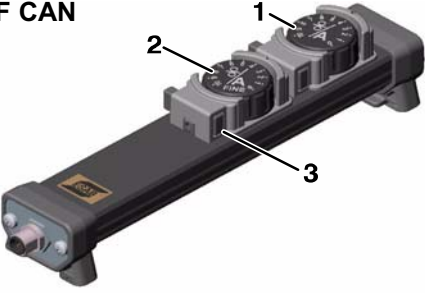
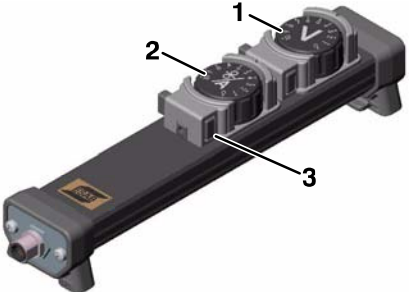

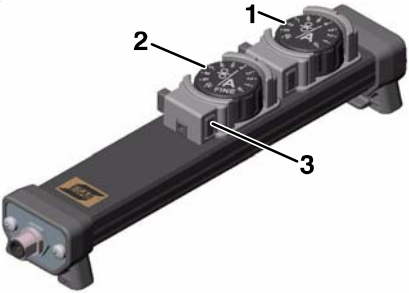


# 2 OPERATION


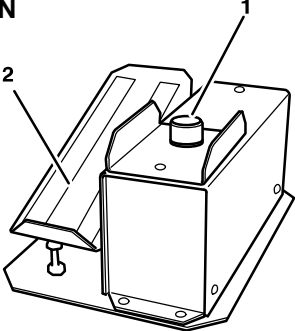
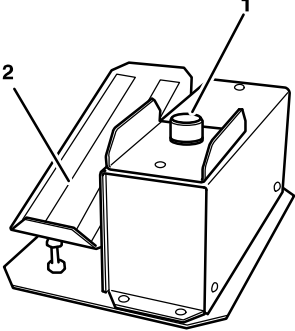
Connect the remote control unit to the socket for the remote control on the power source or the wire feed unit.

When connecting a remote control in a Aristo machine produced before 2005. The software of the control panel must in some cases be upgraded in order for the remote controls to function correctly.

## 2.1 Functions

<p><b>MTA1 CAN</b></p> 	<p>CAN-based remote control for MIG/MAG, TIG and MMA welding.</p> <p><b>1 MIG/MAG:</b> Setting wire feed speed  <b>TIG:</b> Setting current  <b>TIG pulse:</b> Setting pulse current  <b>MMA:</b> Setting current</p> <p><b>2 MIG/MAG:</b> Setting voltage or voltage deviation +/- from the synergic line  <b>TIG:</b> No function  <b>TIG pulse:</b> Setting background current  <b>MMA:</b> Setting arc force</p> <p><b>3</b> Locking knob</p>
<p><b>M1 10Prog CAN</b></p> 	<p>CAN-based remote control for MIG/MAG, TIG and MMA welding.</p> <p><b>1</b> Choice of one of 10 program selections</p> <p><b>2 MIG/MAG:</b> Voltage deviation +/- from selected program  <b>TIG and MMA:</b> Setting welding current +/- from selected program  <b>TIG pulse:</b> Setting pulse current +/- from selected program</p> <p><b>3</b> Locking knob</p>
<p><b>AT1 CAN</b></p> 	<p>CAN-based remote control for MMA and TIG welding.</p> <p><b>1</b> Setting current</p> <p><b>2</b> Locking knob</p>

<p><b>AT1 CF CAN</b></p> 	<p>CAN-based remote control for MMA and TIG welding.</p> <ul style="list-style-type: none"> <li>1 Rough setting of current</li> <li>2 Fine setting of current</li> <li>3 Locking knob</li> </ul>
<p><b>M1</b></p> 	<p>Remote control for MIG/MAG welding</p> <ul style="list-style-type: none"> <li>1 Setting voltage</li> <li>2 Setting wire feed speed</li> <li>3 Locking knob</li> </ul>
<p><b>AT1</b></p> 	<p>Remote control for MMA and TIG welding</p> <ul style="list-style-type: none"> <li>1 Setting current</li> <li>2 Locking knob</li> </ul>
<p><b>AT1 CF</b></p> 	<p>Remote control for MMA and TIG welding</p> <ul style="list-style-type: none"> <li>1 Rough setting of current</li> <li>2 Fine setting of current</li> <li>3 Locking knob</li> </ul>
<p><b>RA 12</b></p> 	<p>CAN-based remote control adapter. Used for connecting remote controls MMA1, MMA2 to CAN-based equipment.</p> <ul style="list-style-type: none"> <li>1 12-pole socket</li> </ul>
<p><b>RA 23</b></p> 	<p>CAN-based remote control adapter. Used for connecting welding gun with RS3 program selector, MIG2 (2 knobs) to CAN-based equipment.</p> <ul style="list-style-type: none"> <li>1 23-pole socket</li> </ul>

<p><b>RA T1</b></p> 	<p>CAN based adapter, used for connection of TIG torches with +/- function for CAN based equipment.</p> <p><b>NOTE!</b> Supplied with holder and 0.25 m cable.</p>
<p><b>FS 002 CAN</b></p> 	<p>CAN-based remote control for TIG welding.</p> <p>1 Potentiometer for setting of welding current, positions 1 - 10</p> <p>2 Foot pedal for weld start and setting of welding current.</p> <p>If potentiometer is set at position 10, the current is set, from min. to max. with the foot pedal</p> <p>If potentiometer is set at position 5, the current is set, from min. to 50% of max. current with the foot pedal.</p>
<p><b>FS 002</b></p> 	<p>Remote control for TIG welding.</p> <p>1 Potentiometer for setting of welding current, positions 1 - 10</p> <p>2 Foot pedal for weld start and setting of welding current.</p> <p>If potentiometer is set at position 10, the current is set, from min. to max. with the foot pedal</p> <p>If potentiometer is set at position 5, the current is set, from min. to 50% of max. current with the foot pedal.</p>

### 3 ORDERING SPARE PARTS

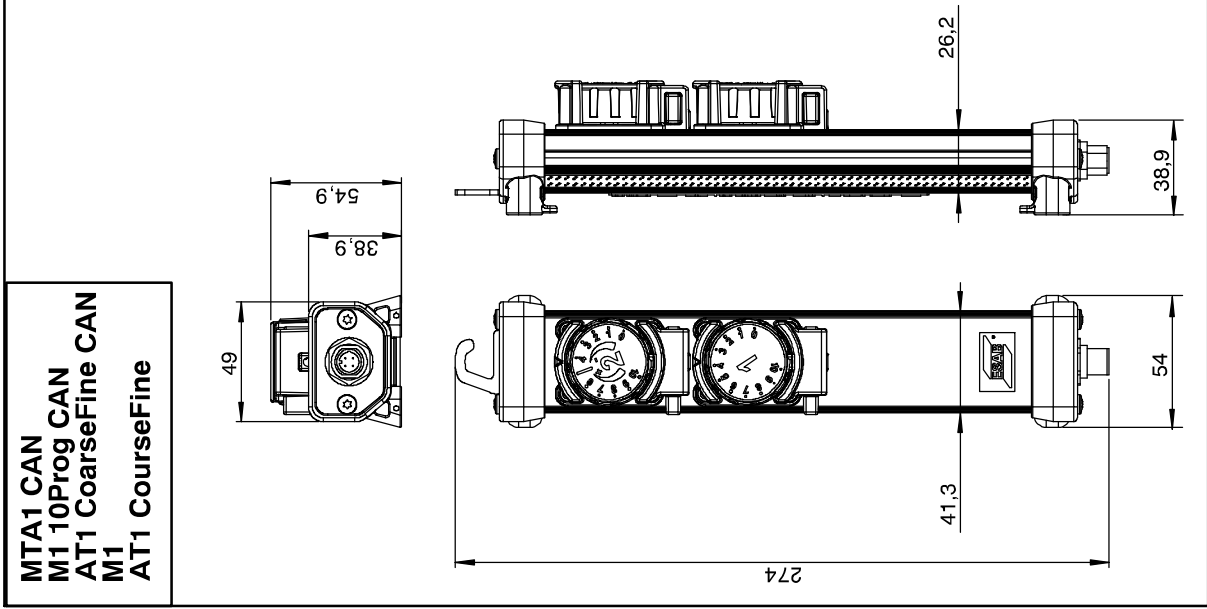
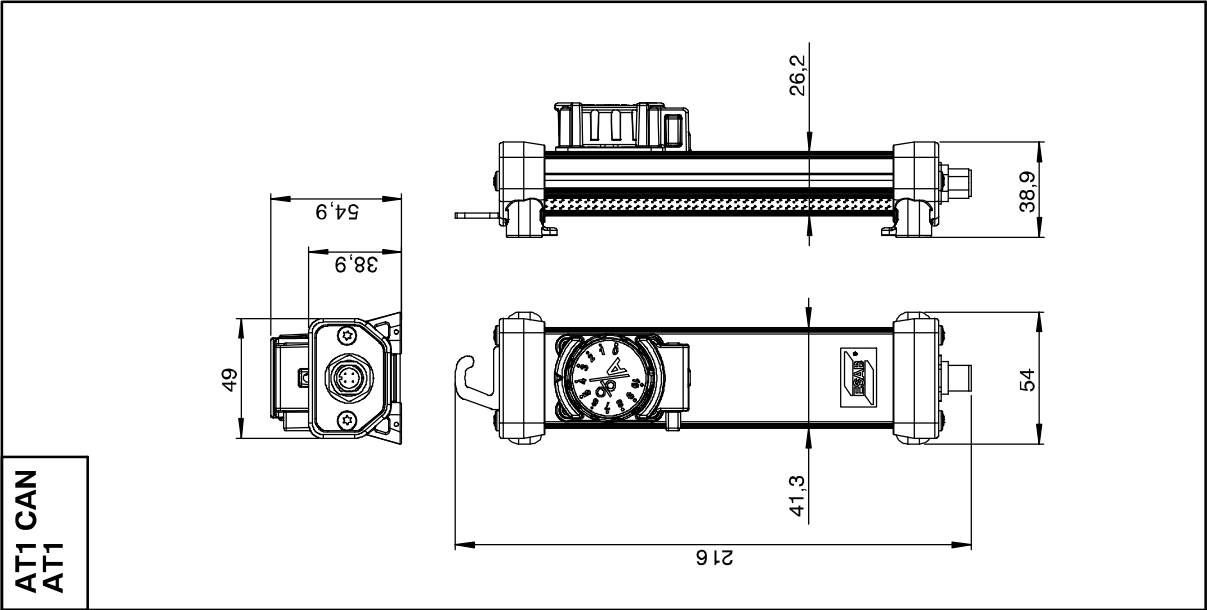
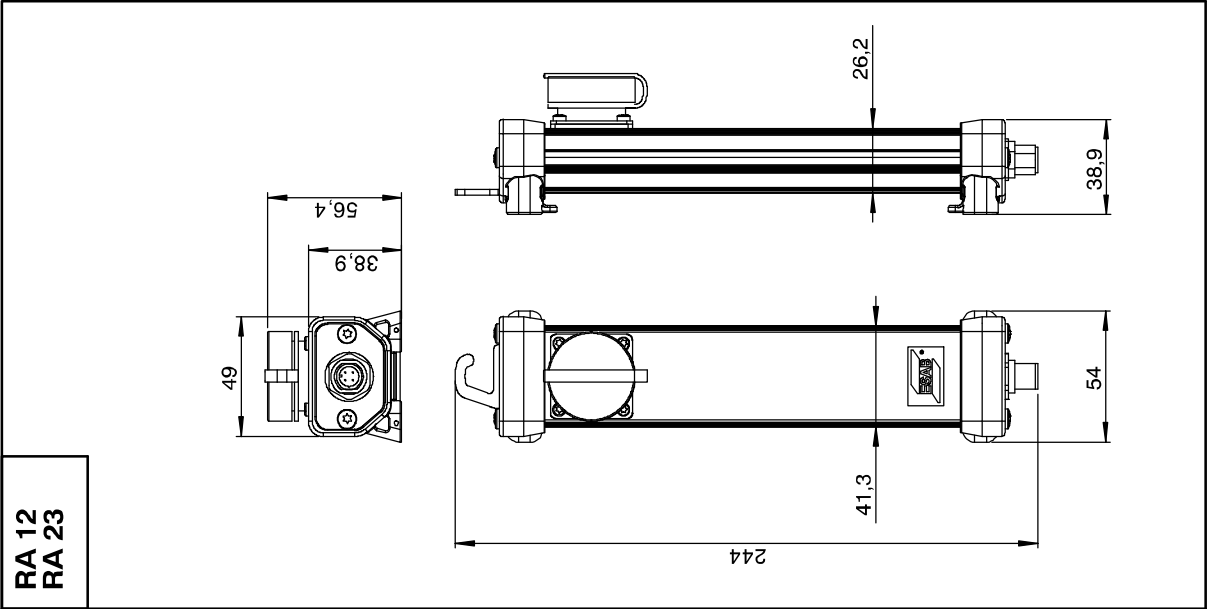


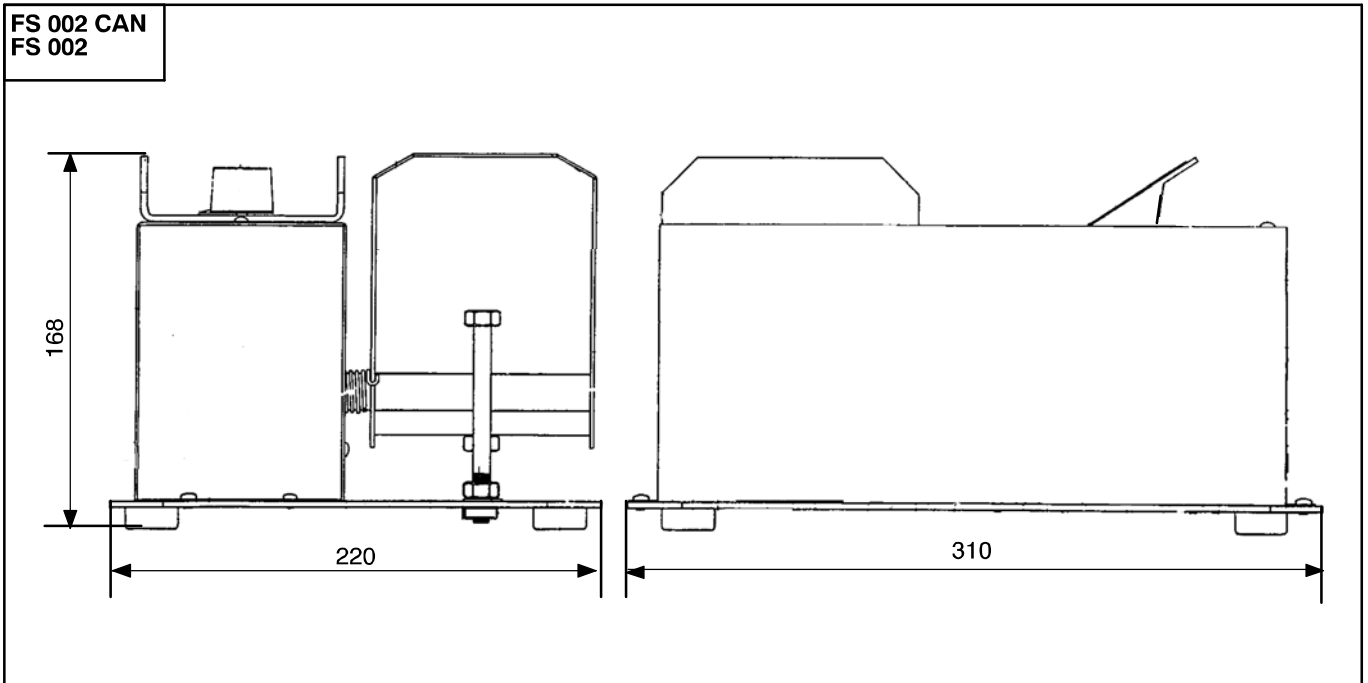
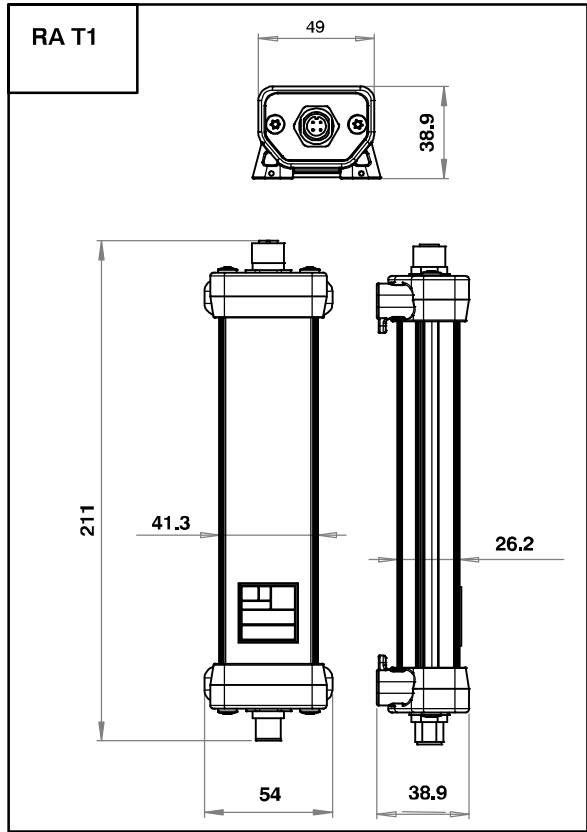
**CAUTION**

*All guarantee undertakings from the supplier cease to apply if the customer himself attempts any work in the product during the guarantee period in order to rectify any faults.*

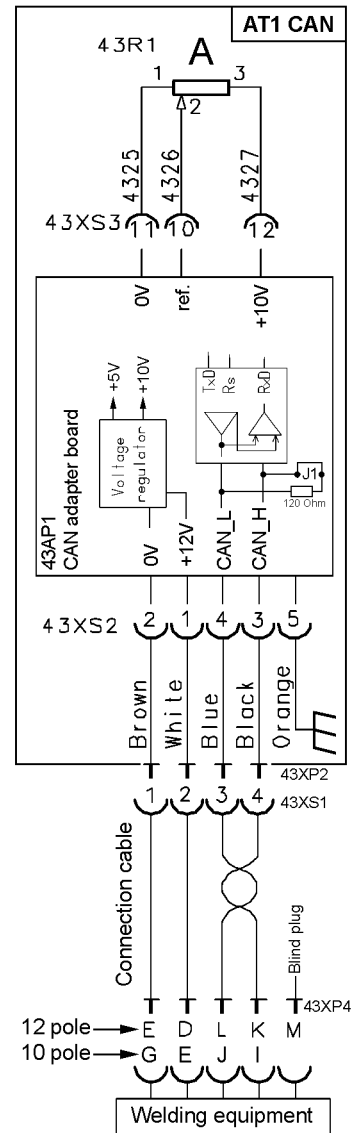
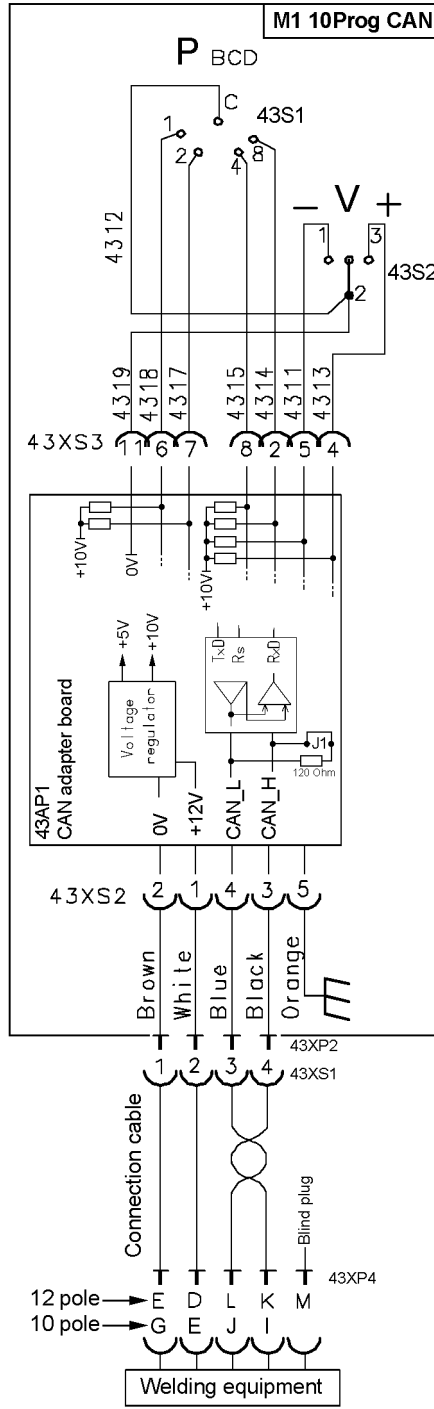
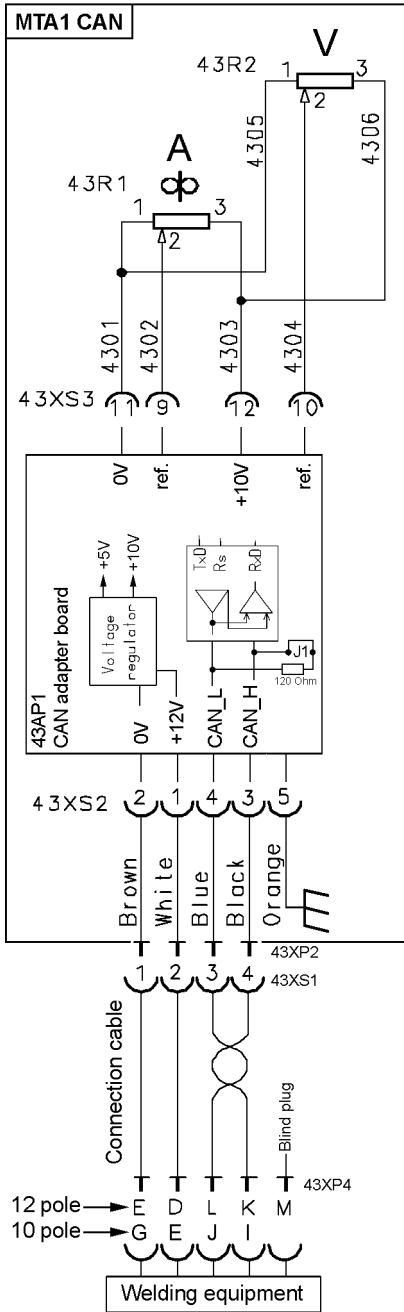
Spare parts may be ordered through your nearest ESAB dealer, see the last page of this publication.

Dimension drawing



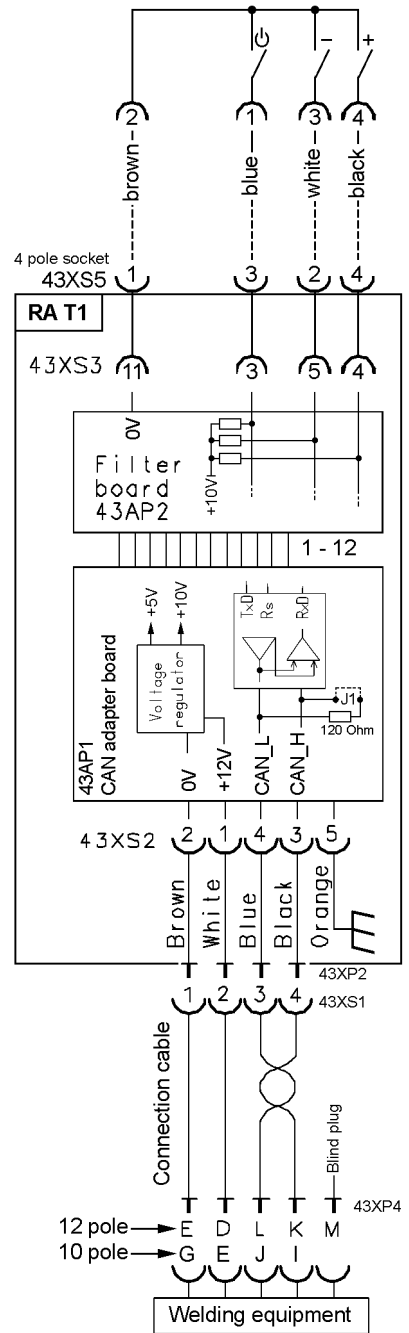
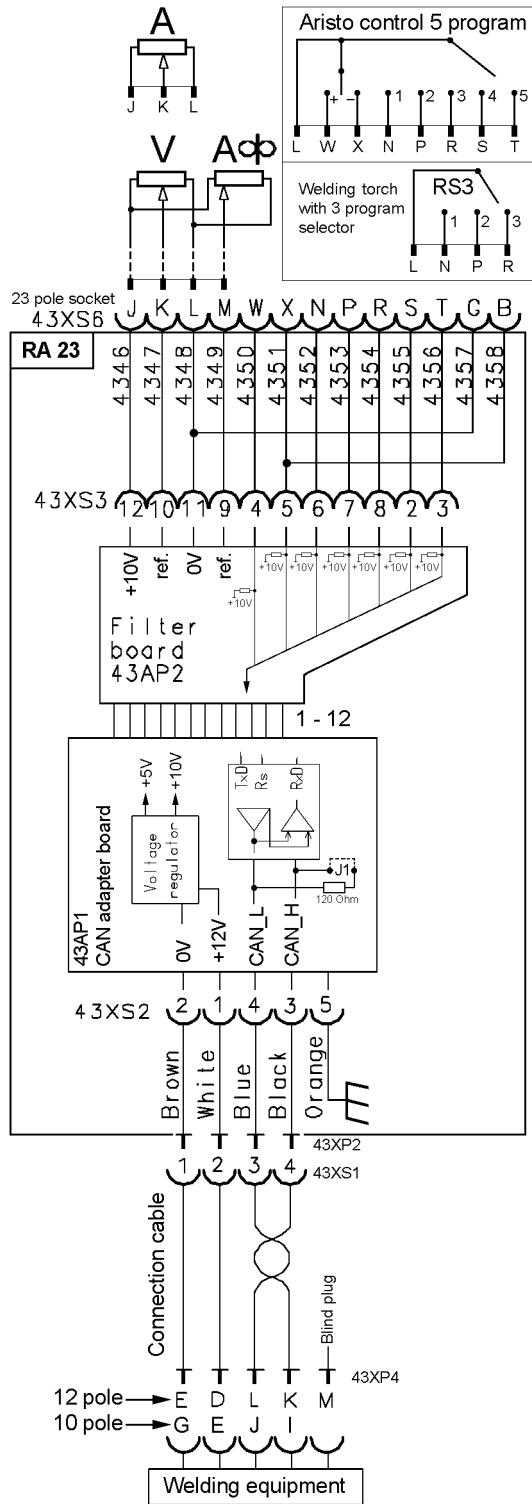


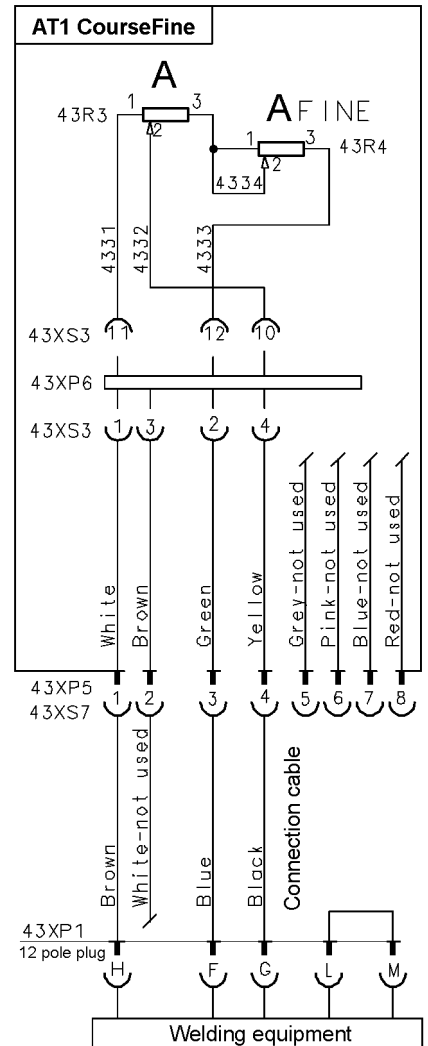
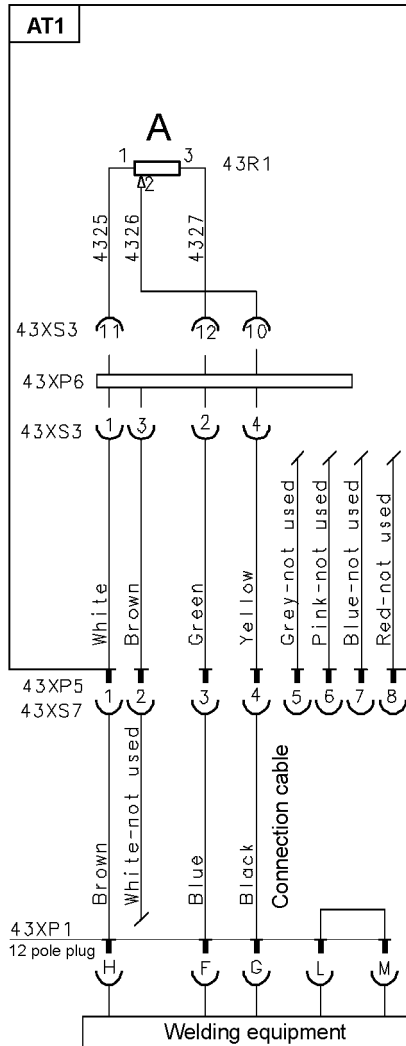
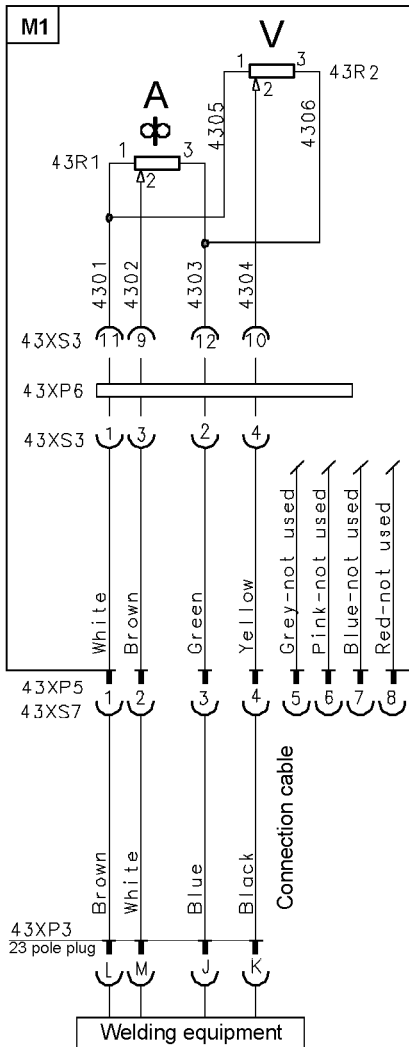
# Diagram

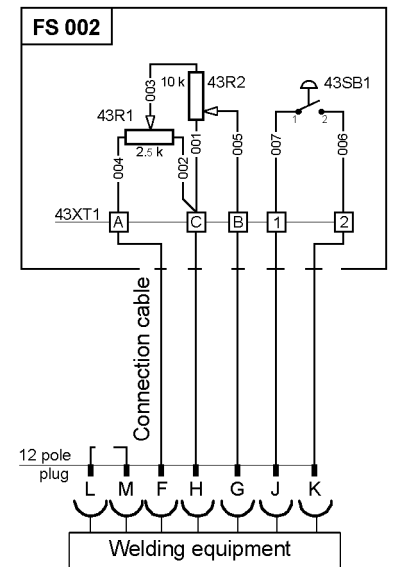
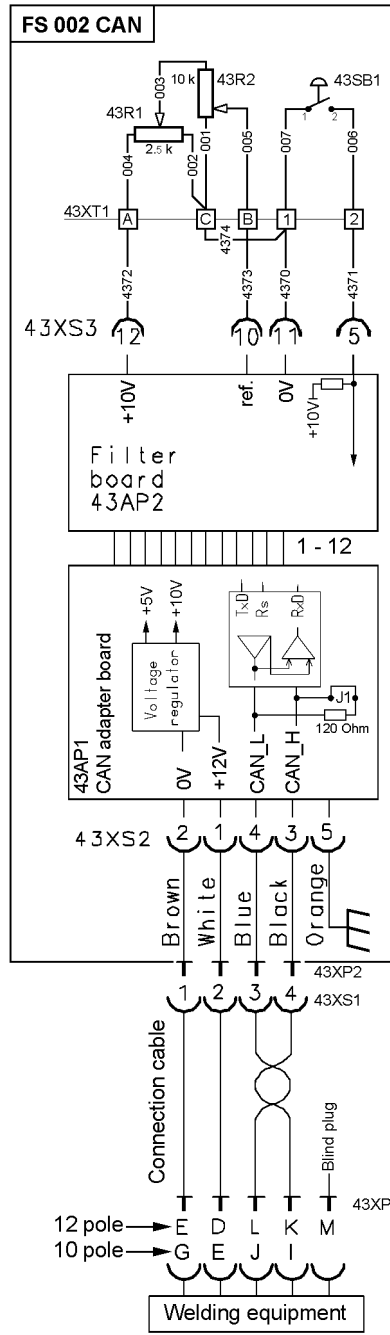
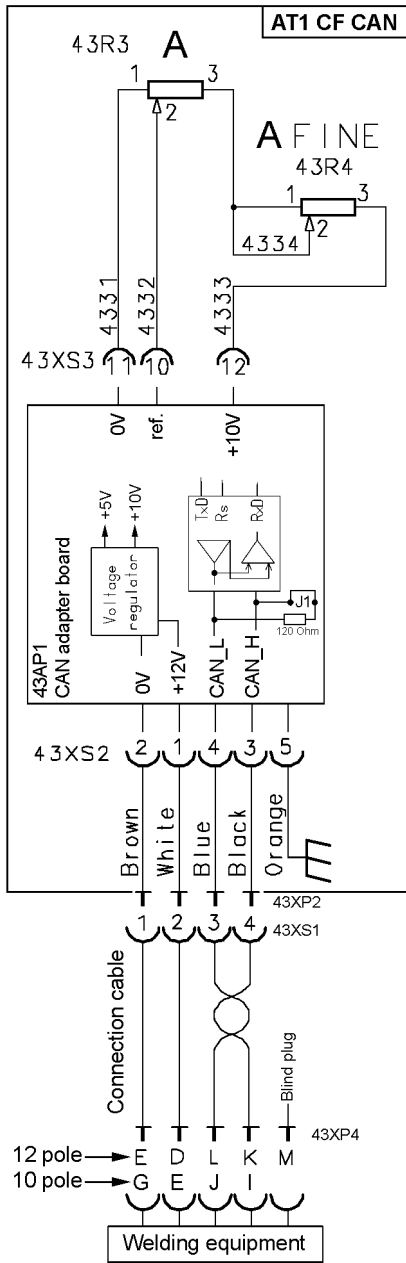












Ordering number

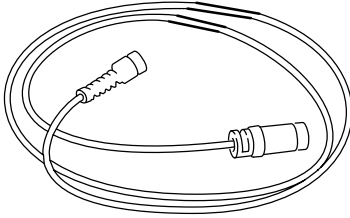
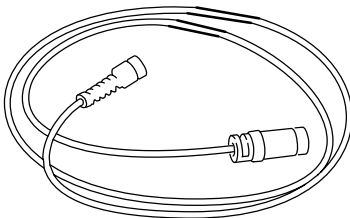
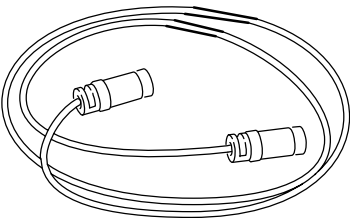
Remote control	Ordering no.	Remote control	Ordering no.
<b>MTA1 CAN</b> 	0459 491 880	<b>M1</b> 	0459 491 895
<b>M1 10Prog CAN</b> 	0459 491 882	<b>AT1</b> 	0459 491 896
<b>AT1 CAN</b> 	0459 491 883	<b>AT1 CoarseFine</b> 	0459 491 897
<b>AT1 CoarseFine CAN</b> 	0459 491 884	<b>RA 12</b> 	0459 491 910
<b>FS 002 CAN</b> 	0349 090 890	<b>RA 23</b> 	0459 491 911
<b>FS 002</b> 	0349 090 886	<b>RA T1 12 pole</b> 	0459 491 912
		<b>RA T1 10 pole</b> 	0459 491 913

Spare parts list 0459 576 990

The spare parts list is available on the Internet at [www.esab.com](http://www.esab.com)

**MTA1 CAN, M1 10P CAN, AT1 CAN, AT1 CF CAN, RA 12, RA 23, RA T1, M1, AT1, AT1 CF, FS 002 CAN, FS 002**

**Accessories**

	<p><b>Remote cable CAN 4 pole - 12 pole</b></p> <p>0.25 m ..... 0459 554 884</p> <p>5 m ..... 0459 554 880</p> <p>10 m ..... 0459 554 881</p> <p>15 m ..... 0459 554 882</p> <p>25 m ..... 0459 554 883</p> <p>5 m Heavy Duty ..... 0459 554 980</p> <p>10 m Heavy Duty ..... 0459 554 981</p> <p><b>Remote cable CAN 4 pole - 10 pole</b></p> <p>0.25 m ..... 0459 960 883</p> <p>5 m ..... 0459 960 880</p> <p>10 m ..... 0459 960 881</p> <p>25 m ..... 0459 960 882</p> <p>5 m Heavy Duty ..... 0459 960 980</p> <p>10 m Heavy Duty ..... 0459 960 981</p> <p>25 m Heavy Duty ..... 0459 960 982</p>
	<p><b>Remote cable 8 pole - 12 pole for remote controls AT1 and AT1 CF</b></p> <p>5 m ..... 0459 552 880</p> <p>10 m ..... 0459 552 881</p> <p>15 m ..... 0459 552 882</p> <p>25 m ..... 0459 552 883</p> <p><b>Remote cable 8 pole - 23 pole for remote control M1</b></p> <p>5 m ..... 0459 553 880</p>
	<p><b>Extension cable 12 pole for remote controls AT1, AT1 CF and FS 002</b></p> <p>25 m ..... 0367 662 880</p>



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