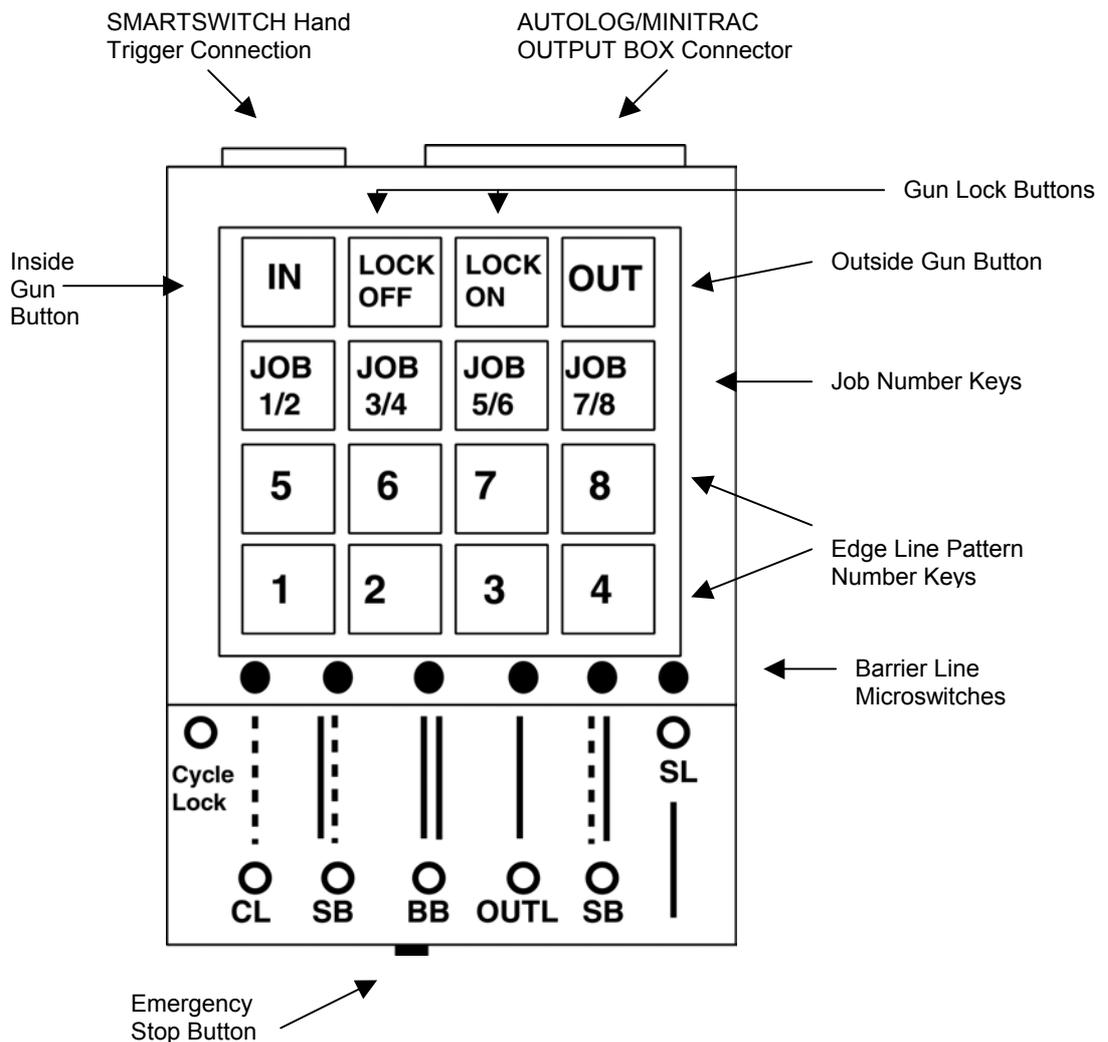


SMARTSWITCH

Use SMARTSWITCH with AUTOLOG or MINITRAC for seamless barrier generation. With SMARTSWITCH barrier lines are totally synchronised. SMARTSWITCH automatically measures correct gaps and starts and stops lines evenly.

! **NOTE: Use the SMARTSWITCH keypad to control all your roadmarking operations - barrier and edge line. Do not use the AUTOLOG or MINITRAC keypads when SMARTSWITCH is fitted.**

SMARTSWITCH Diagram



Features

- One touch keypad operation
- Emergency stop button
- Supplied pre-programmed with 6 common barrier patterns
- Cycle Lock feature for marking new work – no need to trigger individual lines.
- Gun Lock for one touch trigger operation
- LED's indicate which pattern is painting, and when SMARTSWITCH is measuring out gaps between patterns

SMARTSWITCH Specifications

- Size 145mm x 115mm x 75mm
- Electrical requirements 12 - 28 volts, unit is fully protected against shorts, voltage spikes and reversals
- Operating temperature 0 - 45°C
- Operating speed range 0 - 100km/h
- Microswitch trigger and all wiring supplied

1.0 INSTALLATION

SMARTSWITCH plugs into the AUTOLOG or MINITRAC controller for driver's cab operation. For rear system operation plug SMARTSWITCH into the OUTPUT BOX. SMARTSWITCH must also be connected to the gun trigger. Refer to the wiring diagram attached.

! **Note: Do not plug or unplug SMARTSWITCH in to AUTOLOG, MINITRAC or OUTPUT BOX when the power is on.**

1.1 Mounting

SMARTSWITCH should be mounted to suit the operator either on the right hand side of the dashboard or on the rear of the machine. **Do not mount SMARTSWITCH on the door of the vehicle.**

2.0 SAFETY PRECAUTIONS

PAINT AND GUNS – Roadmarking guns operate at high pressure and roadmarking paint is highly toxic. Operators using RMSD equipment must ensure no people are within the gun firing range while setting up and using the equipment.

SWITCHES – The Master Gun switches must be turned off between all jobs.

STATIC STRAPS – Good quality static straps should be fitted to all vehicles using RMSD equipment (including support vehicles). This will extend the life of your equipment and reduce the possibility of operating staff receiving electrostatic shocks while working.

POWER - Do not plug or unplug SMARTSWITCH in to AUTOLOG, MINITRAC or OUTPUT BOX when the power is on.

3.0 SET UP

Once plugged in SMARTSWITCH is ready to use. It controls 6 common barrier patterns plus your edge lines. Your work is recorded and can be saved either manually or in JOBCARD VIEWER.

4.0 SPECIAL FEATURES:

4.1 New Work - Cycle Lock

Cycle Lock provides one touch trigger operation. Press Cycle Lock before releasing the trigger and the selected pattern continues to paint until you release the Cycle Lock. Press the STOP switch or CL (Centre Line) to return to normal operation.

4.2 Gun Lock

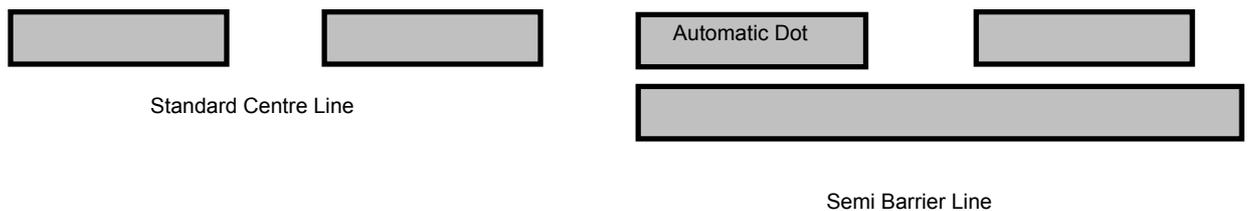
Gun Lock is always ON when you turn on SMARTSWITCH.

If Gun Lock is on when you press the trigger at the start of a dot, the trigger will remain on until the dot is complete.

If the GUN LOCK is off then you must keep your finger on the trigger until the end of the dot.

4.2.2 Semi Barrier in Gun Lock

If the GUN LOCK is ON when Semi Barrier is selected the first dot is generated automatically ensuring an even start to the line. The remaining dots have to be generated each time by the trigger.



Note: There is no automatic return to a standard centre line at the end of the double barrier. You need to select CL to return to centre line marking.

4.3 IN/OUT Buttons

These buttons are used to switch the paint output from the inside to the outside gun if required eg when approaching a concrete barrier. Press **OUT** to change to the outside gun. Press **IN** to return to normal operation.

5.0 PAINTING WITH SMARTSWITCH

Step 1 Turn on the Master Gun Switch on AUTOLOG/MINITRAC

Step 2 Press the Job Number key on SMARTSWITCH

The SMARTSWITCH Job Number keys select dual Job numbers. This is because odd Job numbers record barrier markings and even numbers record edge markings ie if you select JOB1/2 on SMARTSWITCH Job 1 in AUTOLOG/MINITRAC will record the barrier markings and Job 2 in AUTOLOG/MINITRAC will record the edge markings. When you select the pattern AUTOLOG/MINITRAC knows automatically which Job Number to record in.

The table below sets out the Job references.

Job No Selected in SMARTSWITCH	Barrier Line Job No Readout on AUTOLOG/MINITRAC	Edgeline Job No Readout on AUTOLOG/MINITRAC
Job 1/2	Job 1	Job 2
Job 3/4	Job 3	Job 4
Job 5/6	Job 5	Job 6
Job 7/8	Job 7	Job 8

Step 3 Select the Pattern required on SMARTSWITCH. Either select a barrier pattern by using the relevant microswitch or select an edge pattern using the number keys. (1 – 8).

The Barrier Line Patterns are set out in the table below:.

SMARTSWITCH Microswitch	Pattern Description
CL	Standard Dotted Centre Line
SB	Semi Barrier Right Double Line Right Dotted Line Left Solid Line
BB	Double Barrier Solid Line
OUTL	Outline/ Intermittent Barrier Line
SB	Semi Barrier Left Double Line Left Dotted Line Right Solid Line
SL	Solid Line

Step 4 Painting

Barrier Lines – Use the Smartswitch Hand Trigger

Note: the Double Barrier Line does not need a trigger it is automatically generated when you press the selection switch.

Edge Lines - Use the normal AUTOLOG/MINITRAC system trigger

6.0 SAVING JOB RECORDS

Records from SMARTSWITCH can be saved manually or to JOBCARD VIEWER.

Follow the instructions for saving records from AUTOLOG/MINITRAC set out in your AUTOLOG/MINITRAC User Guide.

! REMEMBER BARRIER LINES ARE RECORDED IN THE ODD NUMBER JOBS AND EDGE LINES ARE RECORDED IN THE EVEN NUMBER JOBS.

7.0 SERVICE & SUPPORT

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