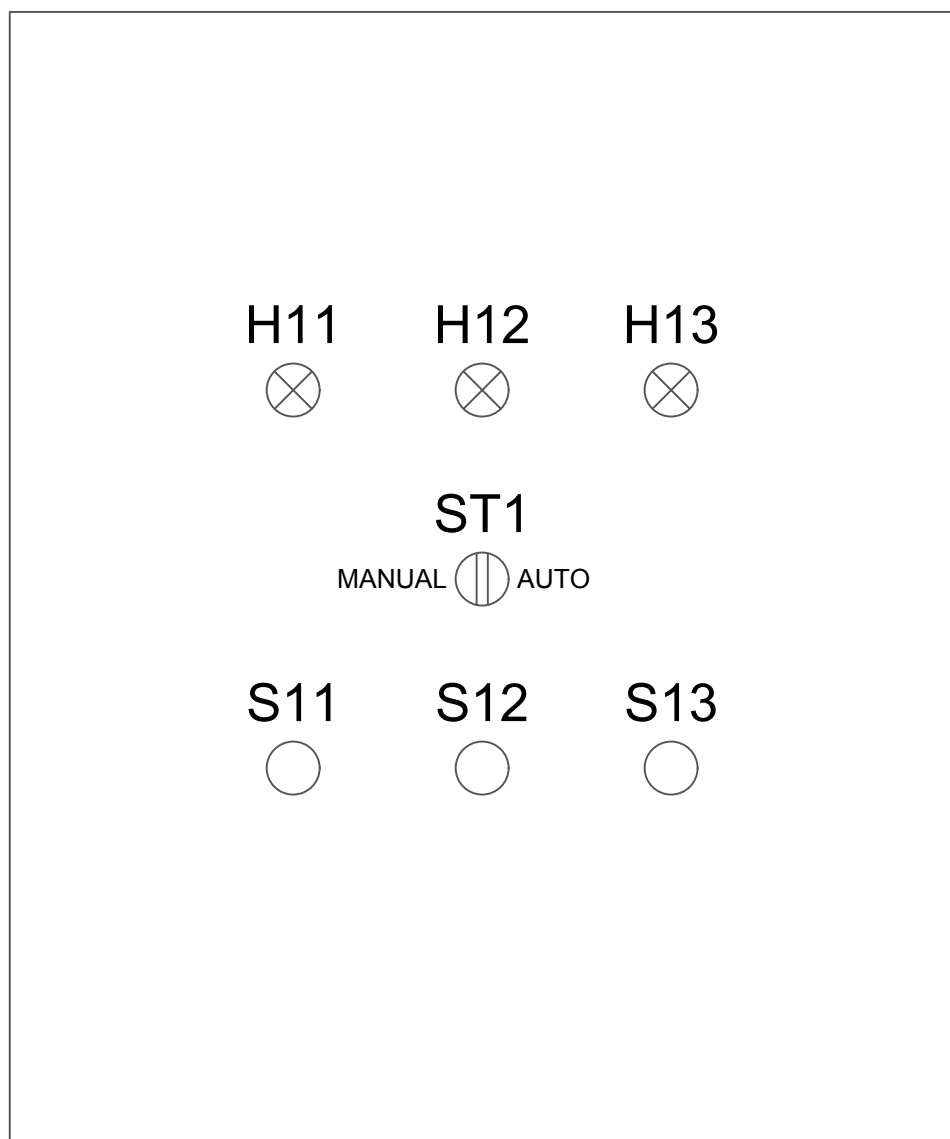


# B1 (FRONT)



## B3

H21  
H22  
H23

## B2

S21  
S22  
S23

### INSTRUCTIONS FOR MANUAL OPERATION

#### IN MANUAL MODE (ST1=MANUAL):

MOTOR RUNS IN FORWARD DIRECTION WHEN S11 IS PRESSED.

MOTOR STAYS RUNNING (FORWARD) WHEN S11 IS RELEASED.

FORWARD INDICATOR LAMP H11 SHOWS MOTOR IS RUNNING IN FORWARD DIRECTION.

MOTOR CAN NOT CHANGE INTO REVERSE DIRECTION WITHOUT BEING STOPPED BY S12.

MOTOR RUNS IN REVERSE DIRECTION WHEN S13 IS PRESSED.

MOTOR STAYS RUNNING (REVERSE) WHEN S13 IS RELEASED.

REVERSE INDICATOR LAMP H13 SHOWS MOTOR IS RUNNING IN REVERSE DIRECTION.

MOTOR CAN NOT CHANGE INTO FORWARD DIRECTION WITHOUT BEING STOPPED BY S12.

MOTOR ALWAYS STOPS AND REMAIN STOPPED WHEN STOP BUTTON S12 IS OPERATED

INDICATION STOP LIGHT H12 OPERATES DEPENDING ON MOTOR RUNNING OR NOT.

EMERGENCY STOP PUSHBUTTONS S1 AND S2 STOPS MOTOR AND IT REMAINS STOPPED WHEN EMERGENCY PUSHUTTONS ARE RELEASED.

MOTOR OVERLOAD STOPS MOTOR WHEN TRIPPED.

ST1 MANUAL - 0 - AUTO SWITCH  
S11 FORWARD IN MANUAL MODE  
S12 STOP IN MANUAL MODE  
S13 REVERSE IN MANUAL MODE  
S21 FORWARD IN AUTO MODE  
S22 STOP IN AUTO MODE  
S23 REVERSE IN AUTO MODE  
H11 INDICATION LIGHT FORWARD IN MANUAL MODE (FORWARD=LIGHT ON / NOT FORWARD=LIGHT OFF)  
H12 INDICATION LIGHT MOTOR STOPPED IN MANUAL MODE (STOPPED=LIGHT ON / RUNNING=LIGHT OFF)  
H13 INDICATION LIGHT REVERSE IN MANUAL MODE (REVERSE=LIGHT ON / NOT REVERSE=LIGHT OFF)  
H21 INDICATION FORWARD IN AUTO MODE (2 HZ FLASHING)  
H22 INDICATION LIGHT OVERLOAD TRIPPED IN AUTO MODE (5 Hz)  
H23 INDICATION LIGHT REVERSE IN AUTO MODE (2 HZ)

ALL AUTO FUNCTIONS NEEDS TO BE CONTROLLED BY LOGO!  
MANUAL FUNCTIONS WILL BE TESTED WITH LOGO! IN STOP MODE.

Test Project for the 44<sup>th</sup> WorldSkills  
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