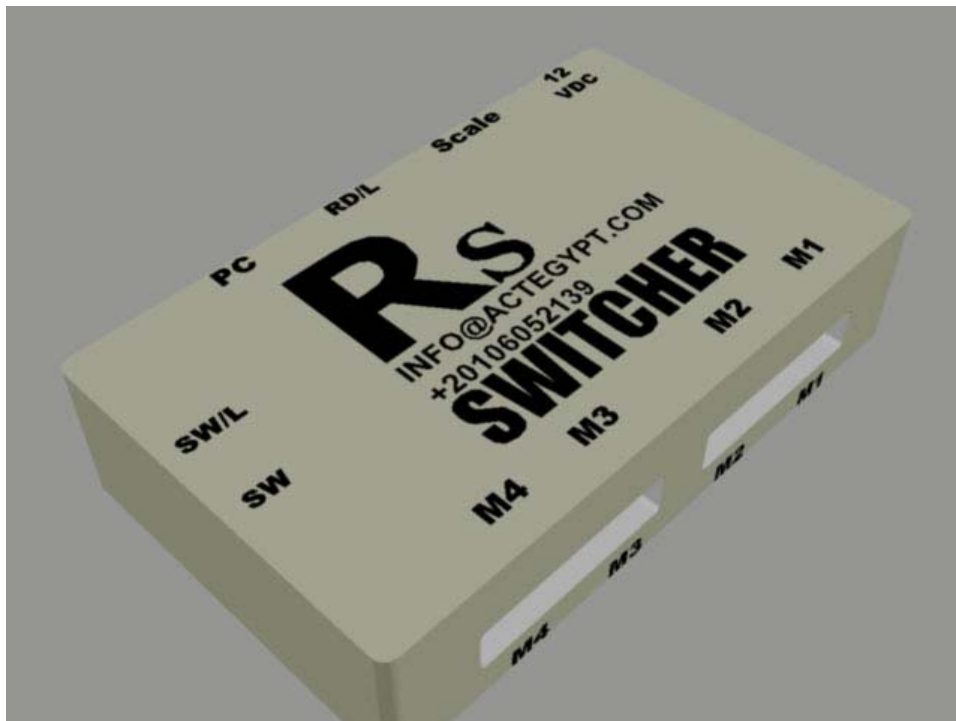


RSwitcher RS-232 switcher

OPERATION MANUAL



Operation Manual User Guide

ADVANCED CONTROL TECHNOLOGY

RS-232 Switcher User Guide

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PACKAGE CONTENT

1. RS Switcher Box
2. 4 buttons RS
3. 3 flat cable

DESCRIPTION

Its RS232 switch device, switches between 1 port to 4 outputs, regarding to user selection and it has settable timer light up LED indicator to show which port has the turn to be switched

FEATURES

Full digital Switching.

Isolated serial port “slave side”.

4 up to 20 ports “upon request”.

Connect to any sync devices.

1200 or 9600 bps port speeds.

Low cost solution.

SPECIFICATIONS

RS232 serial ports bi-directional

Port specification

Stop bits:1

Parity: Odd

1200 bps async

Data bits: 7

Flow control: none

Connectors: master DB25 Female, slaves DB9 Female

Operating temperature -10...60°C

Storage temperature -35...85°C

Humidity <90% RH, non-condensing

APS encloser

Power supply: DC 12V;

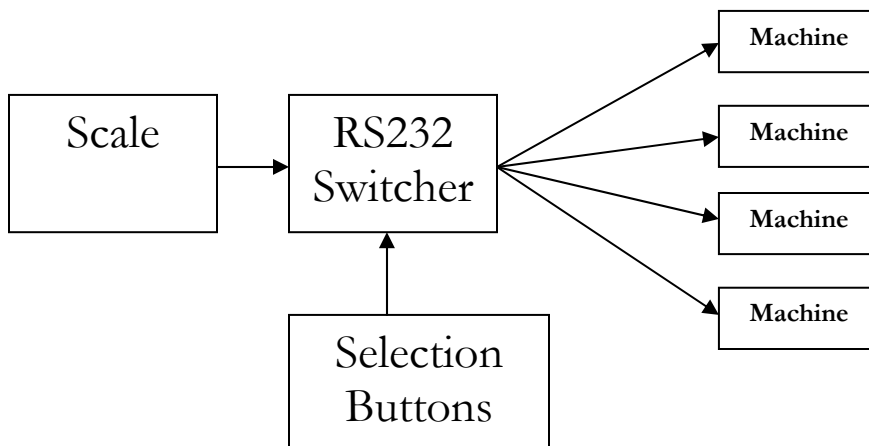
Size: 100mm×90mm×40mm.

Weight 300g

INTERFACES

Drawing attached bellow

Example of Application



SETTINGS

V	View configuration
I1 ~ I9	Set ID of Scale (1 ~ 9)
C1 ~ C9	Set Cycle-time (1*5minute ~ 9*5minute)
A1 ~ A9	ACTIVE Cycle-time (10*90 SEC ~ 9*5minute)
N1 ~ N4	Set No of Machines (1 ~ 4)

Open “Hyper Terminal” from start, all programs, Accessories, communications
Set the setting of the com port that you connect the Switcher on it

Speed: 1200 bits per second

Data bit: 7bits

Parity: odd

Stop bits: 1

Flow control: none

- Press V to view the configuration of the unit
- Press I1 or I2 or I3...I9 to set the ID of switcher unit “this setting is useful in case of data logging”
- Press C1 or C2 or C3 ...C9 to set the cycle time of the LED indicator “the time between every alarm” (multiply the number that written after C by “5” it will give you the time in minutes

Example

If you need 5 minutes between each alarm so write C1

$$1 * 5 = 5$$

If you need 45 minutes between each alarm so write C9

$$9 * 5 = 45$$

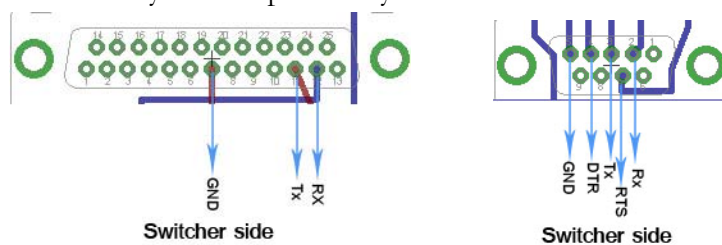
- Press A1 or A2 or A3 ... A9 to set the Active time “it give you exact time to forward the data after the switch button is pressed” (multiply the number that written after A by “10” it will give you the time in seconds

Example

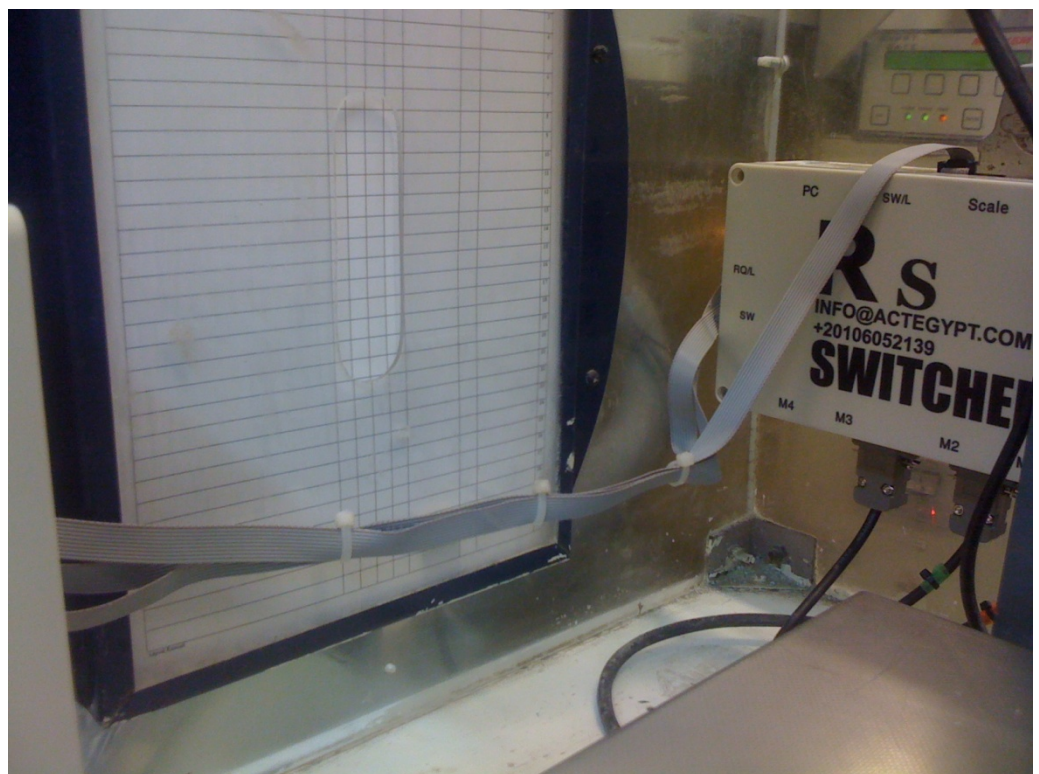
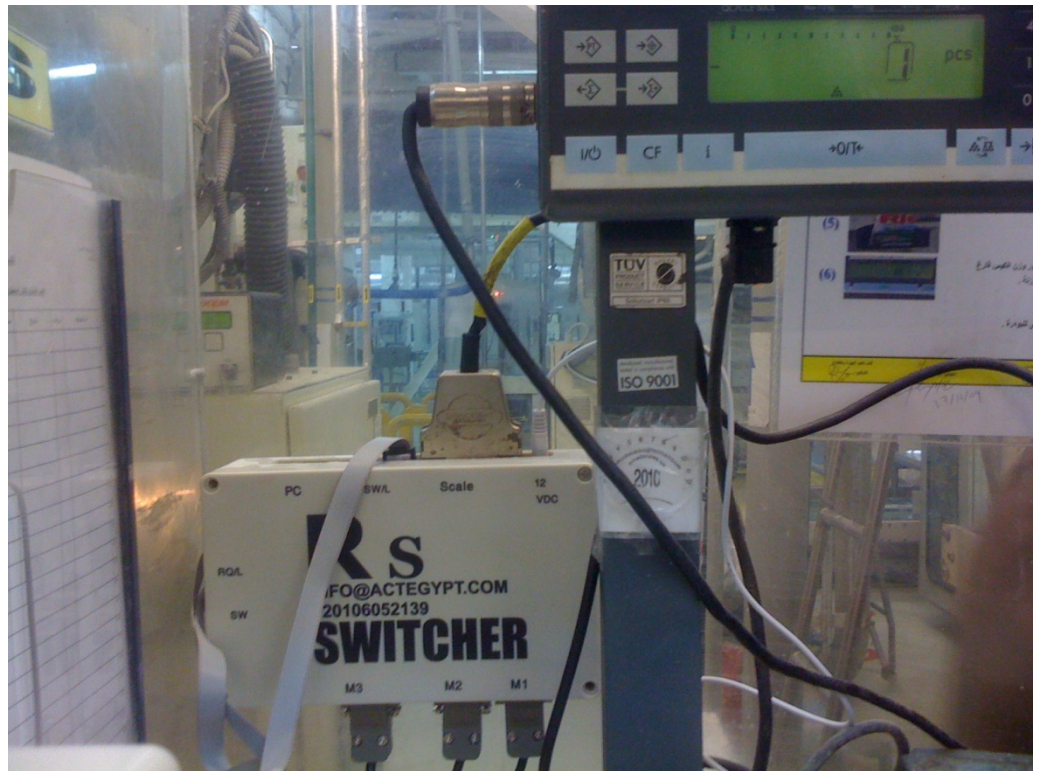
If you need 50 seconds time to forward the data so write A5

$$10 * 5 = 50$$

- Press N1 or N2 or N3 or N4 set the number of machines and the Active serial ports if you press N3 that mean you will Active only 3 ports and the timer will cycle on 3 ports only



This is the pin out of serial ports from switcher side



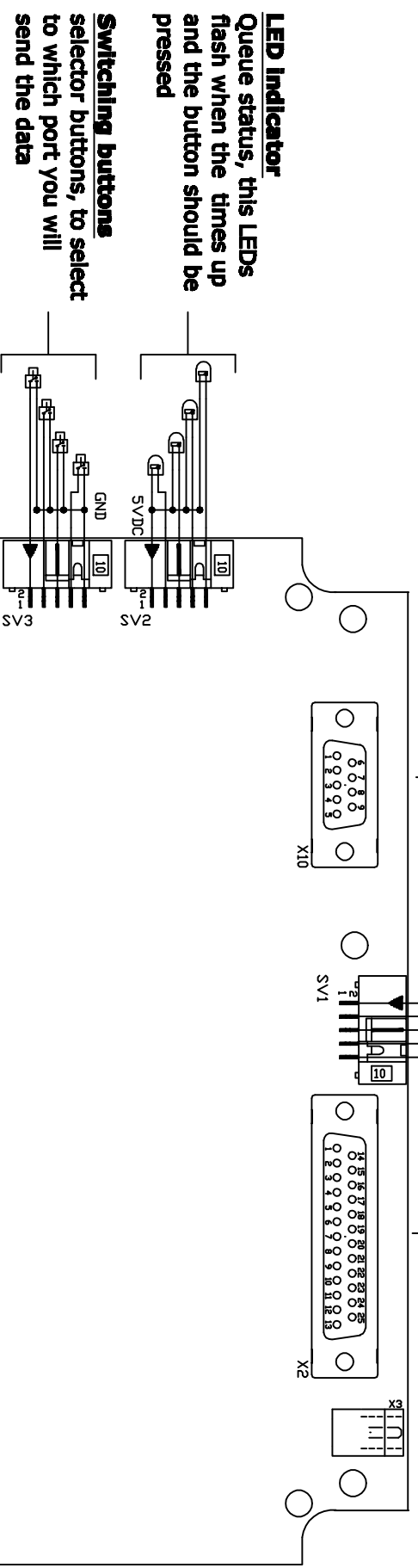
jh



Ready status to pass the data "to press print in the Scale"

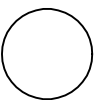
"for setting the parameter of switcher and forward the data to computer in case of logging

12VDC
Supply input

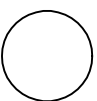


SV2 socket

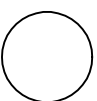
LED indication to which button should be pressed based on timer "C1..C9"



LED 1



LED 2



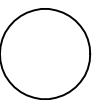
LED 3



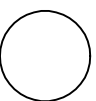
LED 4

SV1 socket

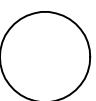
LED indication that the port is ready to forward the data from the Scale (master port) to the other ports the machines (slave ports) and it still On for seconds you can set it "A1..A9"



LED 1



LED 2



LED 3



LED 4

SV3 socket

Switch buttons to select to which machine the data could be forward



Button 1



Button 2



Button 3



Button 4