

# SWIFT LANE DROP ARM BARRIER D66

Installation Instructions (v1213)



## **Unpacking the barrier**

First remove the top cover of the wooden crate, then the side cover. The barrier inside the crate can now be pulled out of the crate. Do not remove the plastic wrapping until the turnstile is ready to be used as this will prevent any damage to the stainless steel cabinet.

### **1. Technical Specifications**

<b>Throughput</b>	40 users per minute
<b>Lane width</b>	Standard 550-600 mm max 1150 mm
<b>Duty cycle</b>	100%
<b>Safety devices</b>	Arm drops in emergency
<b>IP rating</b>	IP 55 standard
<b>Signal time out</b>	Nil/ 6 secs/ 12 secs/ 18 secs
<b>Power supply</b>	220vac 5 amp
<b>Control voltage</b>	24vdc
<b>Power consumption</b>	50W
<b>Working environment</b>	-30°C ~ +70°C
<b>Relative humidity</b>	95%

### **2. Standard features**

- 21 The barrier can be opened by two input signals (signals can be input by access controller, push button or other equipment)
- 22 A green arrow indicates which side to pass the gate.
- 23 Single direction or bi direction is optional
- 24 The arm will drop when power is off
- 25 A memory input remembers how many cards are presented and does not activate the lock mode again until 16 users have passed through the barrier.
- 26 If no pedestrian passes through the turnstile after swiping their card the turnstile will return to lock mode after 6/12/18 seconds (time adjustable)

### **3. Optional features**

- 31 Voice prompt and display screen available
- 32 An external counter can be connected to count the number of people passing through the turnstile
- 33 RS485 communication, PC command through serial port
- 34 Audible and / or visual alarm to indicate attempted forced entry.

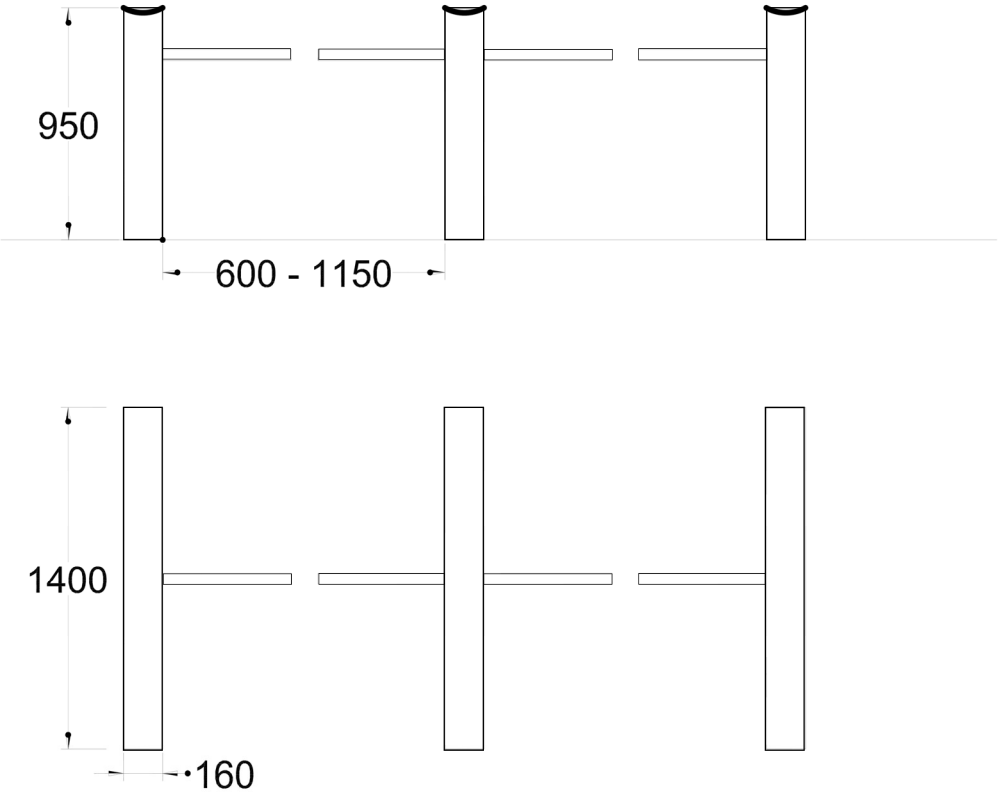
### **4. Mechanical installation**

- 51 The barrier should be mounted on a smooth level surface; a concrete base is preferred especially for outdoor applications.
- 52 Two hold down bars are provided and these should be fixed with M12 x 100 mm expansion bolts.
- 53 The conduit entry can be inside the leg of the turnstile or through the cabinet wall.

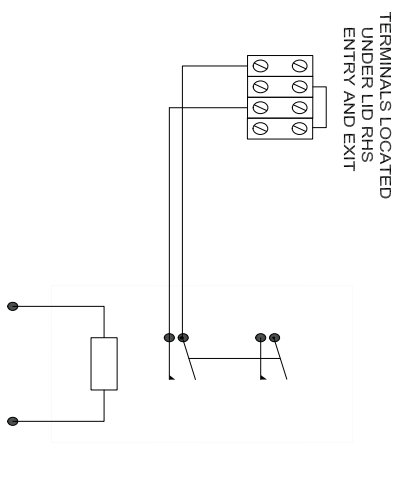
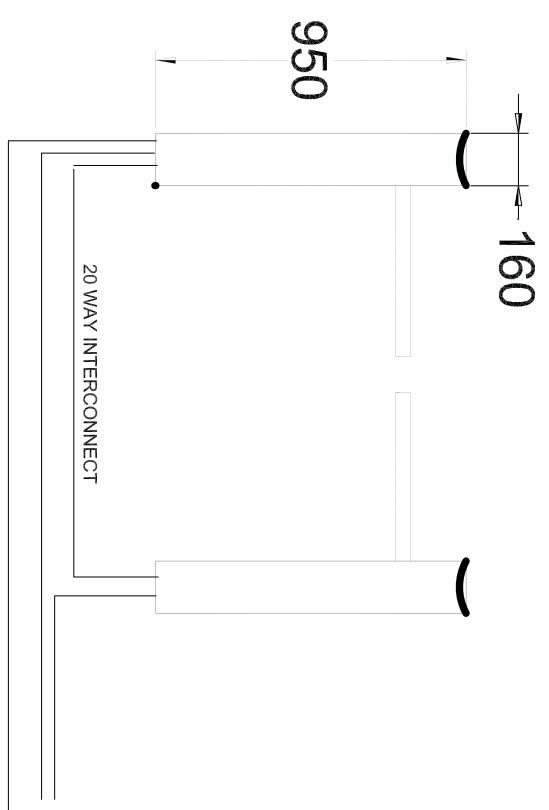
### **5. Electrical Installation**

- 51 All electrical connections must be made by a qualified electrician in accordance with Australian wiring regulation AS/NZS 3000 2007.
- 52 The turnstile requires a 5 amp 240vac power supply fitted with an earth leakage unit and a suitable circuit breaker.

**Swift Lane D66 Dimensions**



**NOTE:** The concrete pad should be 20Mpa (min) 150 mm thick, cured for 7 days on a suitably compacted foundation. Hold down anchors (4) to be 12mm dia x 100mm into the concrete. Control panel in Entry Leg of Turnstile.



CONNECT SINGLE PHASE POWER IN SLAVE GATE.  
CONNECT EARTH TO MASTER AND SLAVE GATE.

GATE INTERCONNECT CABLE 20 WAY TO PLUGGABLE TERMINAL STRIP  
IN EACH GATE.  
TERMINAL 1 TO 1, 2 TO 2 ETC.

GATE CONTROL VIA EITHER 12VDC TO RELAYS IN EACH GATE (ENTRY/EXIT) OR  
DRY CONTACT TO YELLOW/GRAY ON RELAY TERMINALS.

IF USING STANDALONE READER IN GATE LID CONNECT (DRY CONTACT)  
TO YELLOW/GRAY CABLE IN TERMINALS

ALL DIMENSIONS IN MILLIMETRES  
TOLERANCES EXCEPT WHERE  
OTHERWISE STATED  
LINEAR DIM +0.05 HOLES +0.1 -0.05

DATE  
18/11/13  
DRAWN  
VB

ROTECH AUTOMATION

MATERIAL

SCALE

D 66 DROP ARM GATE  
CONNECTIONS

FINISH

DO NOT SCALE

DRAWING



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