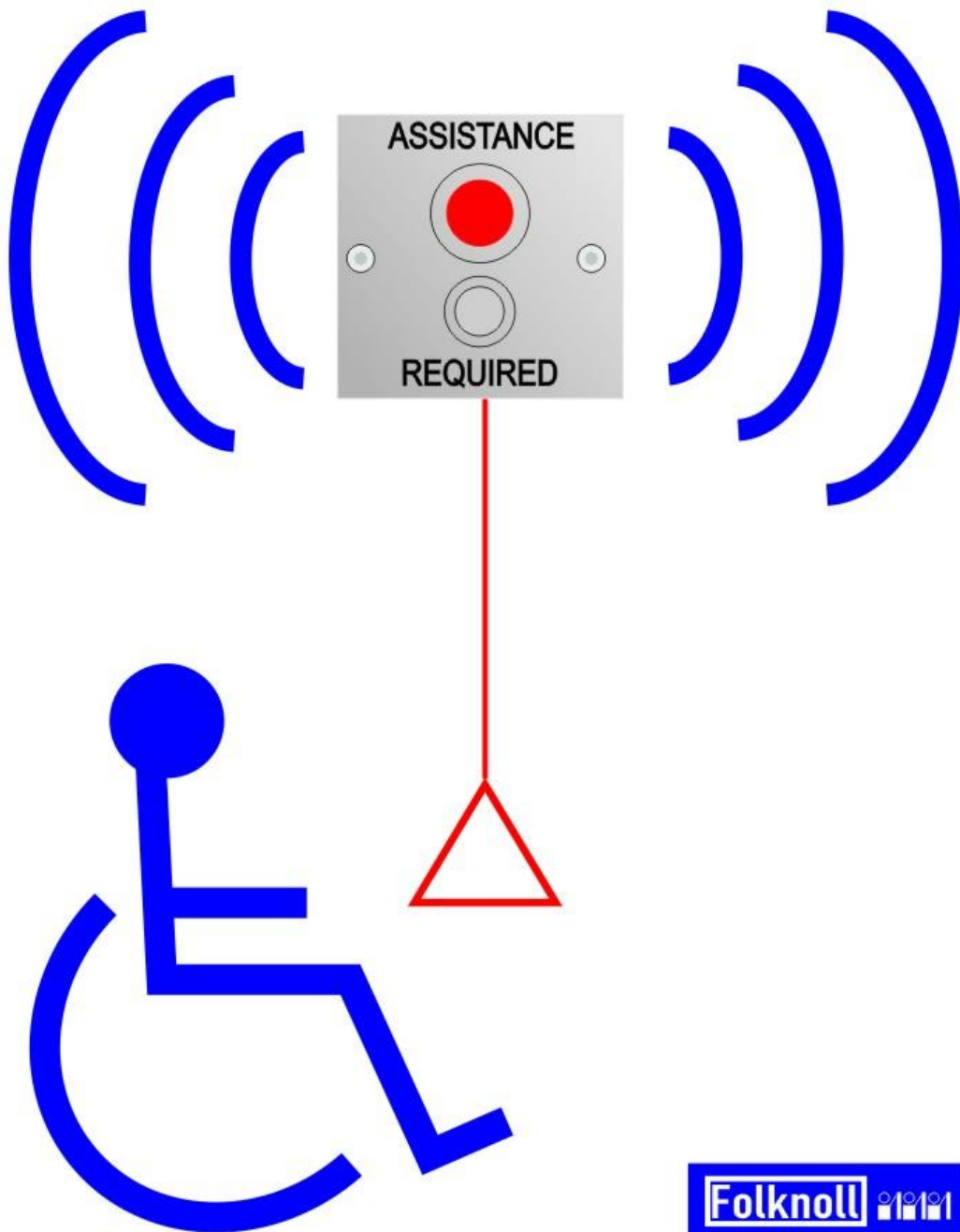


# Disabled Toilets Alarm



## ISSUE CONTROL

Issue	Date	Changes
1.00	23.06.2010	Original version.
1.01	25.06.2010	Product update
1.02	23.05.2011	Part number update

## CONTENTS

1	INTRODUCTION.....	4
1.1	OVERVIEW .....	4
1.2	OPTIONS .....	4
1.2.1	Ceiling Pull Cords.....	4
1.2.2	Emergency Call Buttons.....	4
2	DISABLED TOILETS ALARM STAND ALONE SYSTEM.....	5
2.1	DISABLED TOILETS ALARM STAND ALONE SYSTEM CONNECTION.....	6
3	DISABLED TOILETS ALARM EQUIPMENT.....	7
3.1	CEILING PULL SWITCH (P/N DT7520.00).....	7
3.1.1	Purpose .....	7
3.1.2	Connection .....	7
3.2	EMERGENCY CALL BUTTON (P/N 7520.20) .....	8
3.2.1	Purpose .....	8
3.2.2	Connection .....	8
3.3	BEACON/SOUNDER UNIT (P/N DT7520.40).....	9
3.3.1	Purpose .....	9
3.3.2	Connection .....	9
3.4	RESET UNIT (P/N DT7540.00) .....	10
3.4.1	Purpose .....	10
3.4.2	Connection .....	10
4	DISABLED TOILETS ALARM OPERATION.....	11
4.1	TO ACTIVATE AN ALARM .....	11
4.2	TO RESET AN ALARM .....	11
5	APPENDIX A DISABLED TOILETS ALARM EQUIPMENT LIST.....	12
6	USER NOTES.....	13

## TABLE OF FIGURES

Fig 1:1 Ceiling Pull Cord.....	4
Fig 1:2 Emergency Call Button .....	4
Fig 2:1 Typical Disabled Toilet Alarm System.....	5
Fig 2:2 Typical Stand Alone Disabled Toilets Alarm System .....	6
Fig 3:1 Ceiling Pull Cord.....	7
Fig 3:2 Typical Ceiling Pull Switch Connections .....	7
Fig 3:3 Emergency Call Button .....	8
Fig 3:4 Typical Emergency Call Button Connections .....	8
Fig 3:5 Beacon/Sounder Unit .....	9
Fig 3:6 Typical Beacon/Sounder Unit Connections.....	9
Fig 3:7 Reset Unit .....	10
Fig 3:8 Typical Reset Unit Connections .....	10
Fig 4:1 Emergency Call Button .....	11
Fig 4:2 Ceiling Pull Cord.....	11
Fig 4:3 Reset Unit .....	11
Fig 5:1 Disabled Toilets System Parts.....	12

## 1 INTRODUCTION

This document is the Stand Alone Manual for the Folknoll Disabled Toilets Alarm System.

### 1.1 OVERVIEW

The Folknoll Disabled Toilets Alarm System is a range of easy to install and easy to operate equipment, designed to enable you and your client to install vandal resistant disabled toilets alarm systems.

For locations that do not require central monitoring, the Folknoll Disabled Toilets Alarm may be utilised as an independent alarm system with its own beacon/ sounders and reset.

Alarms are activated by emergency call buttons and/or ceiling pull switches depending on the options chosen.

To minimise accidental activation users must pull the ceiling cord or push the emergency call button for a minimum of 0.25 seconds.

Emergency call buttons are fitted with tamper switches which will trigger the alarm in the event an emergency call button switch unit is opened.

### 1.2 OPTIONS

#### 1.2.1 Ceiling Pull Cords



**Fig 1:1 Ceiling Pull Cord**

The stand alone system may be fitted with one or more ceiling pull cords. To minimise accidental activation users must pull the ceiling cord for a minimum of 0.25 seconds to trigger an alarm.

#### 1.2.2 Emergency Call Buttons



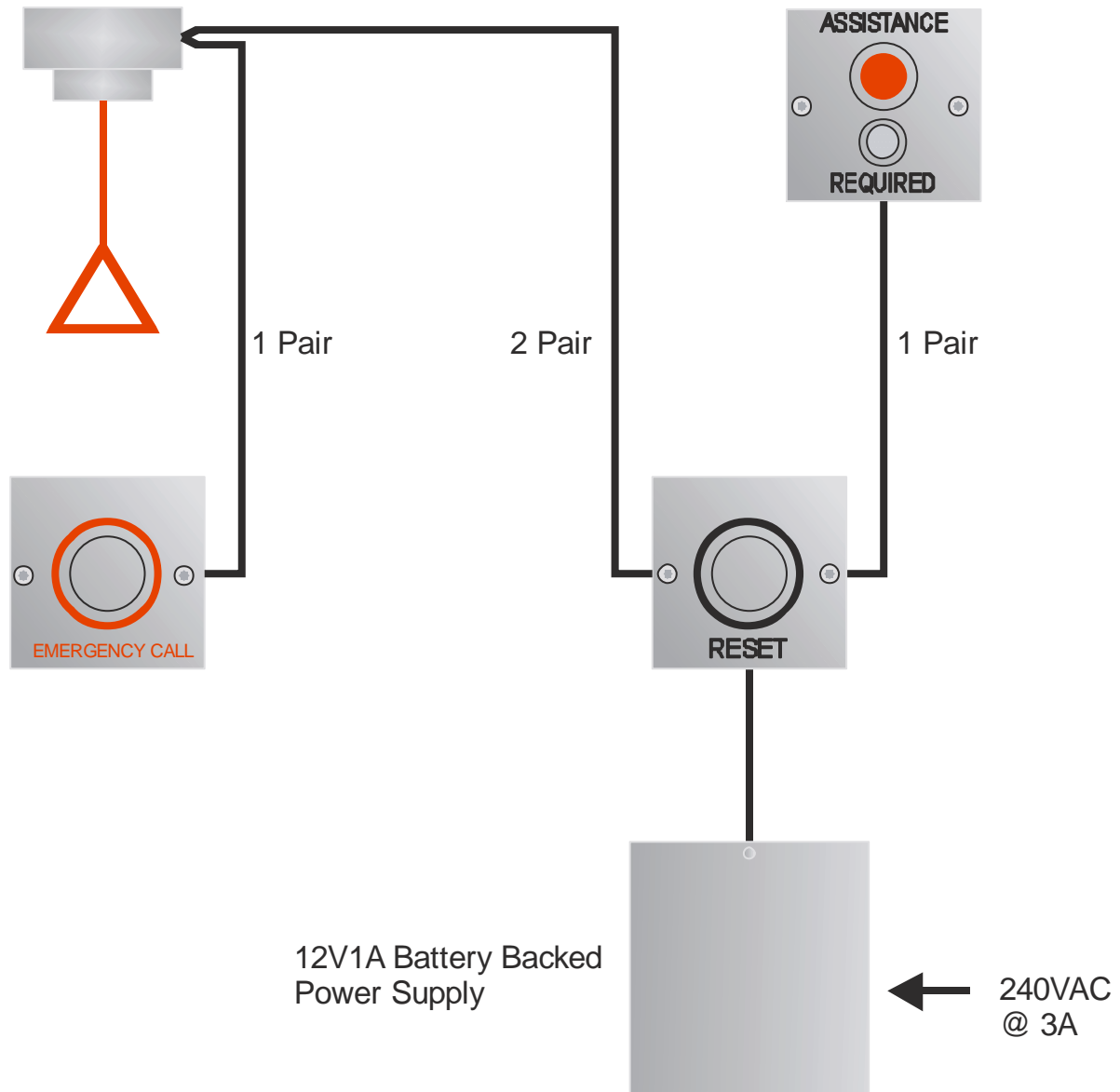
**Fig 1:2 Emergency Call Button**

The stand alone system may be fitted with one or more emergency call buttons. To minimise accidental activation users must pull the ceiling cord for a minimum of 0.25 seconds to trigger an alarm.

Emergency call buttons are fitted with tamper switches which will trigger the alarm in the event an emergency call button switch unit is opened.

## 2 DISABLED TOILETS ALARM STAND ALONE SYSTEM

The stand alone Folknoll Disabled Toilets Alarm System comprises a reset unit which acts as a system controller, one or more alarm activators, (typically ceiling pull cords and/or emergency call buttons), and an alarm indicator typically a beacon/sounder unit. Please refer to the diagram below:-

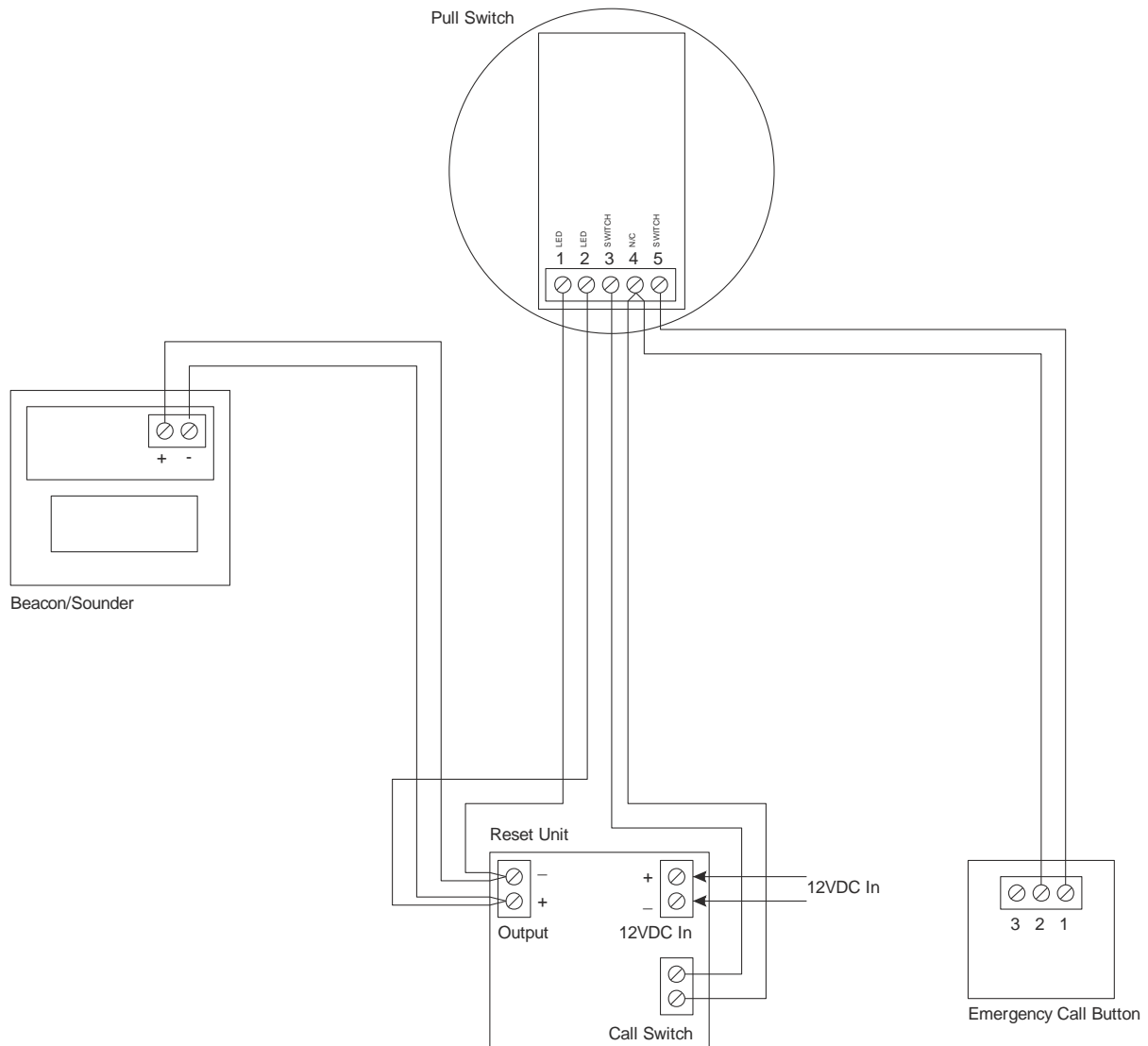


**Fig 2:1 Typical Disabled Toilet Alarm System**

All system units apart from the ceiling pull cord call can be mounted in flush or surface back boxes (supplied). The ceiling cord is supplied in a surface mount assembly.

## 2.1 DISABLED TOILETS ALARM STAND ALONE SYSTEM CONNECTION

The reset unit acts as the system controller. Alarm activators are wired in series to the reset unit call terminal. The alarm indicator is wired to the reset unit output terminal. A 12V power supply is wired to the reset unit power terminals. Please refer to the diagram below for typical cable connections.



**Fig 2:2 Typical Stand Alone Disabled Toilets Alarm System**

### 3 DISABLED TOILETS ALARM EQUIPMENT

#### 3.1 CEILING PULL SWITCH (P/N DT7520.00)



Fig 3:1 Ceiling Pull Cord

##### 3.1.1 Purpose

The ceiling pull switch is used by the user to activate an alarm.

##### 3.1.2 Connection

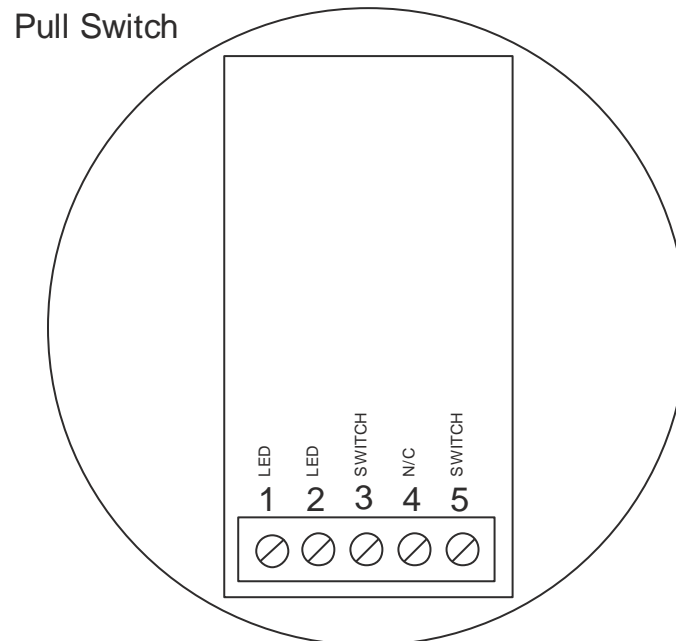


Fig 3:2 Typical Ceiling Pull Switch Connections

## 3.2 EMERGENCY CALL BUTTON (P/N 7520.20)



Fig 3:3 Emergency Call Button

### 3.2.1 Purpose

The emergency call button is used by the user to activate an alarm.

**NOTE: This unit is fitted with a sprung tamper switch. The spring must be located square against the back box during installation to prevent tamper alarm activation on power up.**

### 3.2.2 Connection

Emergency Call Button

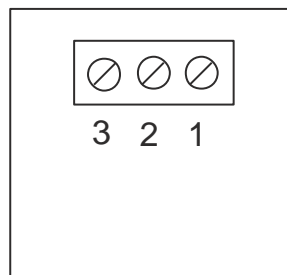


Fig 3:4 Typical Emergency Call Button Connections

### 3.3 BEACON/SOUNDER UNIT (P/N DT7520.40)



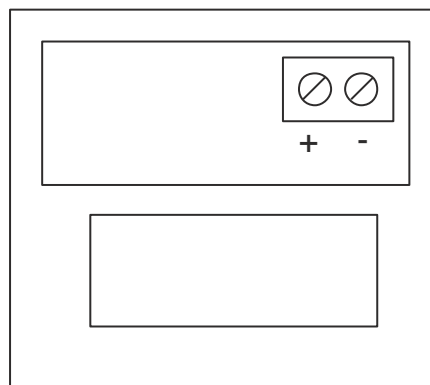
**Fig 3:5 Beacon/Sounder Unit**

#### 3.3.1 Purpose

A beacon/sounder unit is used to annunciate the alarm.

#### 3.3.2 Connection

Beacon/Sounder Unit



**Fig 3:6 Typical Beacon/Sounder Unit Connections**

### 3.4 RESET UNIT (P/N DT7540.00)



Fig 3:7 Reset Unit

#### 3.4.1 Purpose

The reset unit acts as a system controller and allows operators to reset the alarm.

**NOTE: A 12v power supply will be required to power this unit.**

#### 3.4.2 Connection

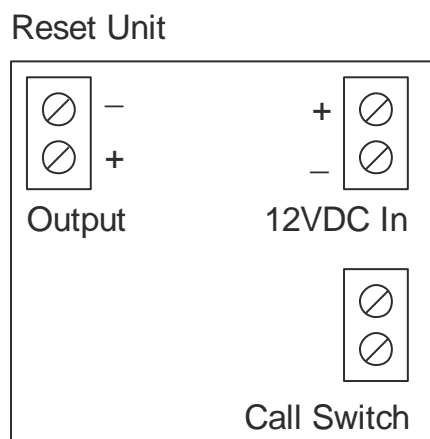


Fig 3:8 Typical Reset Unit Connections

## 4 DISABLED TOILETS ALARM OPERATION

### 4.1 TO ACTIVATE AN ALARM

Press the emergency call button or pull the ceiling pull cord.



**Fig 4:1 Emergency Call Button**



**Fig 4:2 Ceiling Pull Cord**

**NOTE: To minimise accidental activation users must pull the ceiling cord or push the emergency call button for a minimum of 0.25 seconds to trigger an alarm.**

### 4.2 TO RESET AN ALARM

Press the button on the reset unit.



**Fig 4:3 Reset Unit**

**NOTE: To minimise accidental resets the reset button must be held down for a minimum of 0.25 seconds to reset the system.**

## 5 APPENDIX A DISABLED TOILETS ALARM EQUIPMENT LIST





	<p>DT7520.00</p>	<p>Ceiling Pull Cord</p> <ul style="list-style-type: none"> <li>• Alarm activator</li> <li>• Cord must be pulled for a minimum of 0.25 seconds to reduce the risk of accidental alarm activation</li> <li>• Red LED alarm activated indicator to provide user reassurance</li> </ul>
	<p>DT7520.20</p>	<p>Emergency Call Button</p> <ul style="list-style-type: none"> <li>• Alarm activator</li> <li>• Vandal resistant button</li> <li>• Button must be pressed for a minimum of 0.25 seconds to reduce the risk of accidental alarm activation</li> <li>• Internal anti-tamper switch</li> <li>• Can be mounted in standard 35mm single gang flush or surface mount back box (not supplied)</li> </ul>
	<p>DT7520.40</p>	<p>Beacon/Sounder Unit (Vertical)</p> <ul style="list-style-type: none"> <li>• Alarm annunciator</li> <li>• Red LED beacon</li> <li>• Integral sounder</li> <li>• Fits standard flush or surface 35mm single gang back box (not supplied)</li> </ul>
	<p>DT7540.00</p>	<p>Reset Unit</p> <ul style="list-style-type: none"> <li>• Reset button and stand-alone system controller</li> <li>• Vandal resistant button</li> <li>• Fits standard flush or surface 35mm single gang back box (not supplied)</li> </ul>

Fig 5:1 Disabled Toilets System Parts

## **6 USER NOTES**

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# Folknoll



Old North Rd, Royston, HERTS, SG8 5DT  
Tel: 01763234567  
sales@folknoll.co.uk  
www.folknoll.co.uk

