## Panasonic instruction manual

Safety Door Switch / Ulitra-slim SG-A1 Series © C

1 SAFETY CAUTIONS Cumsemem


$2{ }^{\text {TYPE }}$

$$
\begin{aligned}
& \begin{array}{c}
\text { Model No.: : SG-A1-03-1 } \\
\text { Door monitor }-\ldots \\
\hline
\end{array}
\end{aligned}
$$

$$
\begin{aligned}
& \begin{array}{l}
\text { conatis } \\
\text { o3 } 3 \text { InC } \\
\text { 12 } 2 \mathrm{NC}+1 \mathrm{NO} \\
02: 2 \mathrm{NC}
\end{array}
\end{aligned}
$$

3 SPECIFICATIONS AND RAtings


Ratings approved by safety agencies
(i) Touvaning


## 4 Mounting




## 5 Precautions for operation

Instalation
Regardess of door types, do not use the sately syith a sa a door stop
and







# $\triangle$ WARNING 




## $\triangle$ CAUTION




 - Performance Level according to EN 1 ISO 13849-1 1 is reduced


## 6 adjustments

## nimum Radius of Hinged Door

When using the sately switch for a hinged do
cable door is shown in h he folowing figures.
oor, the minimum radius of the appli-
 - When using L-shaped actuator (SG-K12)




- When using angle ad


Mind
Actuator Mounting Reference Position




Actuator Mounting Tolerance


A1.0mm Center swith

$$
\begin{aligned}
& \text { Actuatar can move } 2.1 \mathrm{~mm} \text { from the mounting position without affecting the }
\end{aligned}
$$

contact operation
Deviation
D a actuator position $)+($ ( eviaition of door postion
$\sum \sum 2.1 \mathrm{~mm}$


Adjusting the Angle Adjustable (verticalhorizontal) Actuator






## 7 WIRING

Contact tosed and Operation $\quad \square$ Contact open




Identification of terminal numbers
. When winf,
colored wire, the idenfification of terminal number on each contact is made by


When wiring, cut unnecessary wires
unused wirie to avoid inorrect wiring.

## 8 dimensions (mm)

| Safety switch |
| :--- |
| Type: Sc-A1 |
| 104 |
| 104 |



$$
\begin{aligned}
& \begin{array}{l}
\text { Safery Switch Mounting Hol Layyut } \\
\text { Can be installed eithe fritunwards or backw }
\end{array}
\end{aligned}
$$

$$
\begin{aligned}
& \text { Actuator }
\end{aligned}
$$

Type : sG-K12

## Type: :SG-K13 (Horizontal Adjustment)



$$
\begin{aligned}
& \begin{array}{l}
\text { Type: SG-K14 } \\
\text { (Horizonalalduistm }
\end{array}
\end{aligned}
$$

$$
\begin{aligned}
& 5 \cdot \mathrm{H}
\end{aligned}
$$






9 PRECAUTION FOR DISPOSAL

## 10 CE MARKING DECLARATION OF CONFORMIT

Itemized Essentials of EU Declaration of Conformity
 EU Representative's Name: Tapanasonic Marketing Europe GmbH Panasonic Representative's Address: Winsberging 15,22525 Hamburg, Germany
product: Saiely Door 1 nericock Swith


Applicable standards: EN $60947-5.51$

## I11 UKCA MARKING DECLARATION OF CONFORMITY

## Itemized Essentials of UK Declaration of Conformity

 Authorized Representativive: Japanasonic Testing Centre on behalf of Panasosoric Panasonic UK, a branch of Panasosic Marketing
Europe GmbH

Product Name: Saiesy
Trade Name: Panasonic
rade Name: Panasonic
2008 No. 1597 Supply of Machinery (Satety) Regula-



Panasonic Industry Co., Ltd

