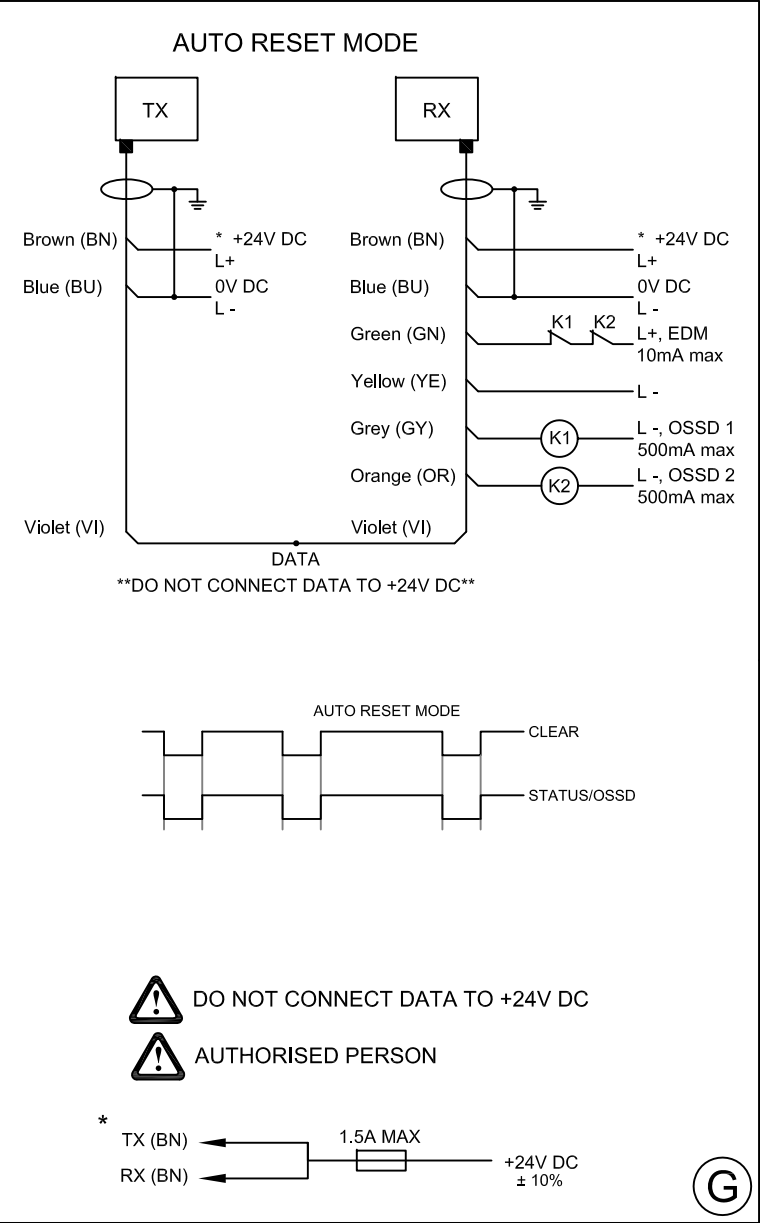
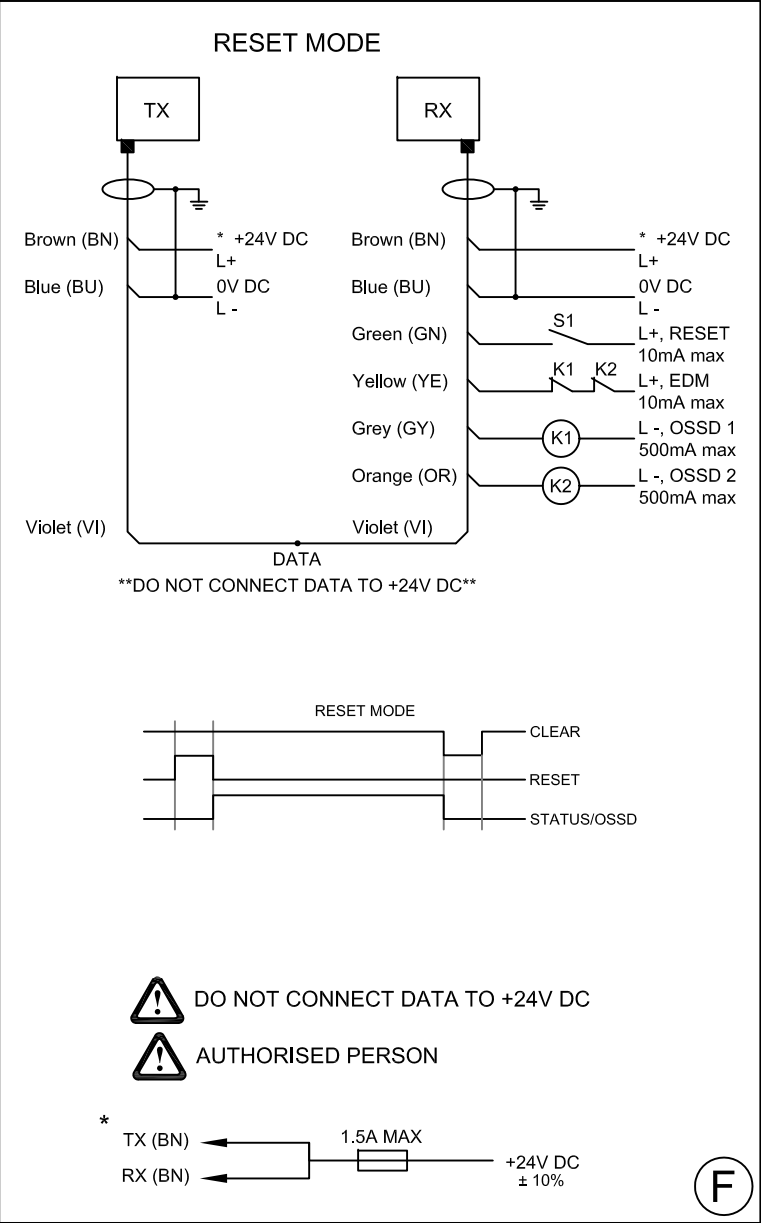
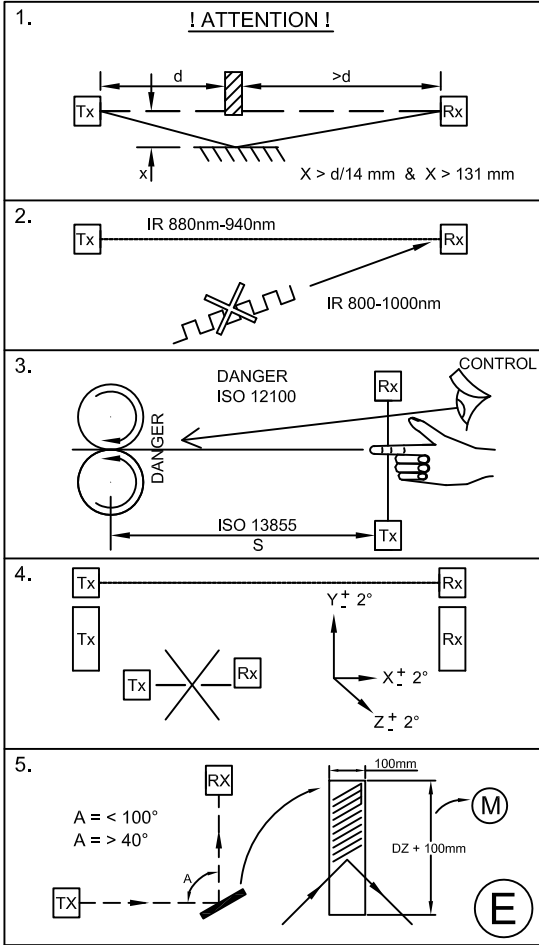
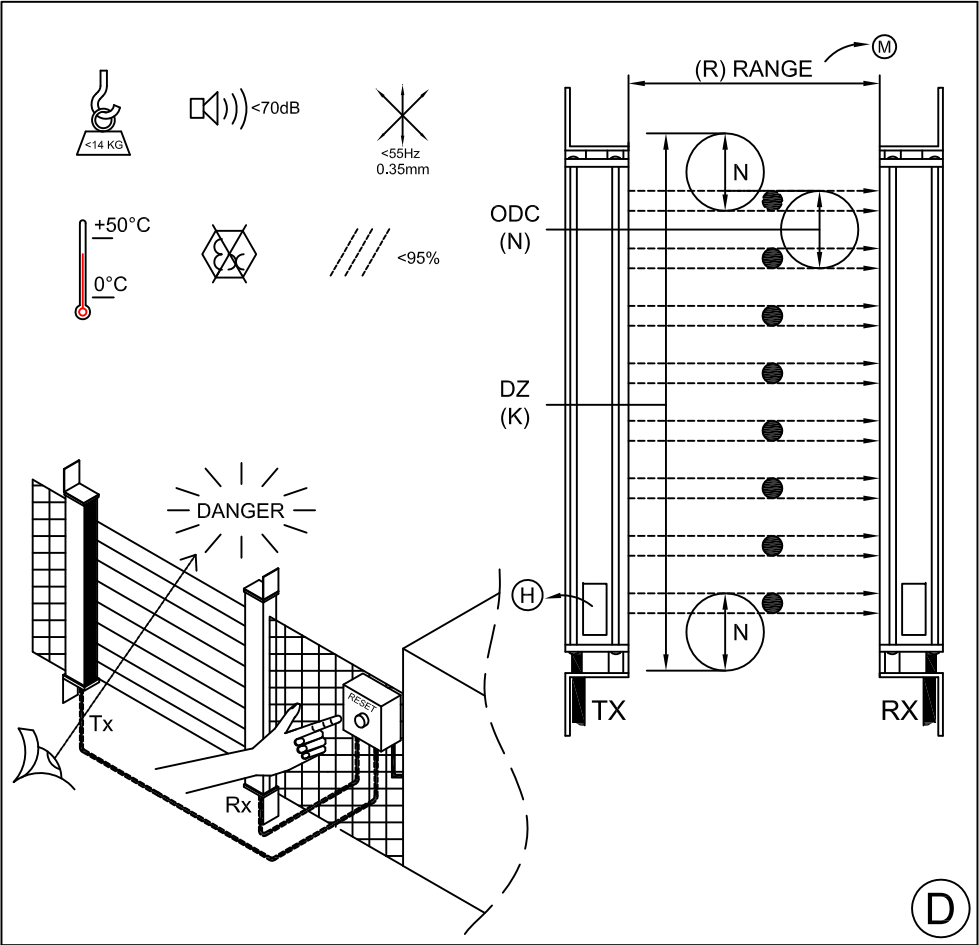
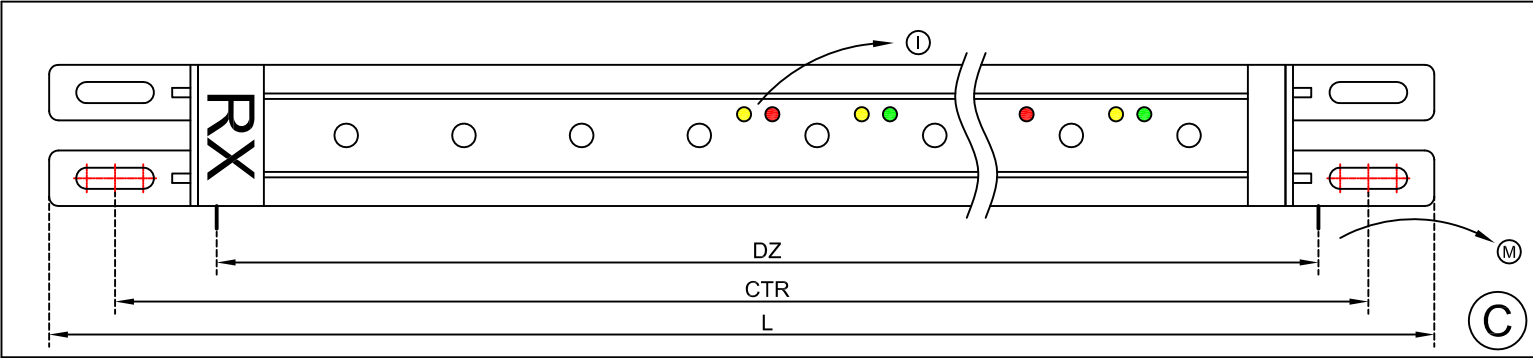
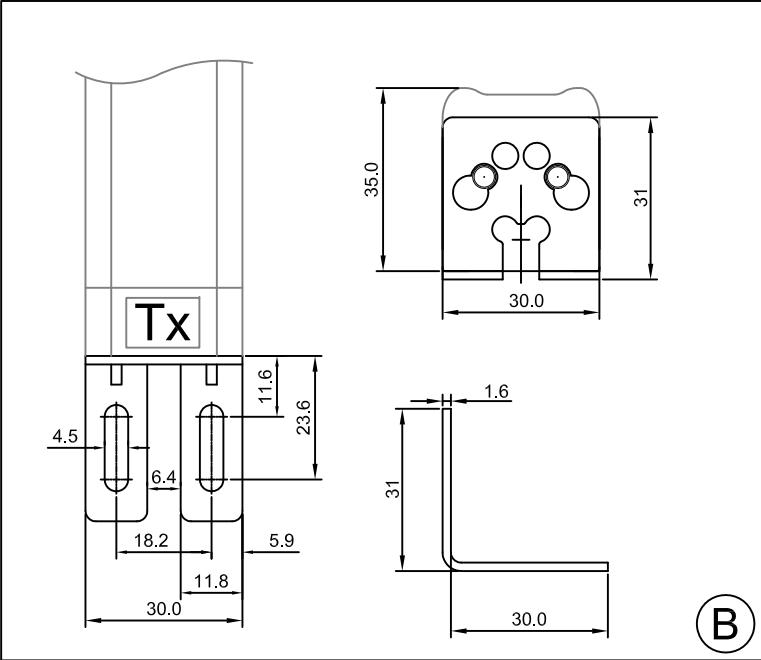
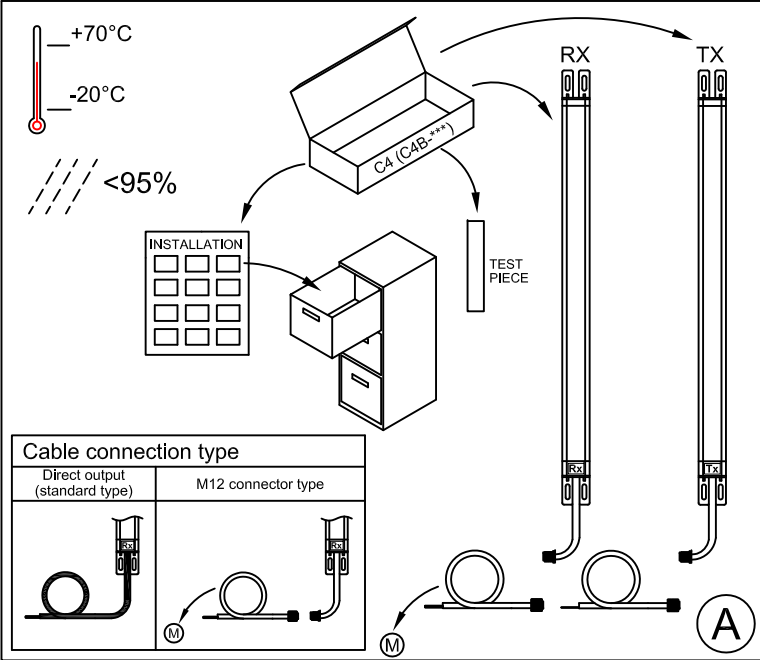




SMARTSCAN C4 compact

MODEL: C4B-***

SN: *****

R: *****

N: *****

K: *****

IP: 65

T: 20ms

V: 24V DC ± 10%

I: 0.5A + OSSDs

IEC61496-1 Type 4

IEC61496-2 Type 4

IEC62061 SIL 3

ISO13849-1 PL e

YEAR: 2017

2F, No.5, 10th Road, Taichung Industrial park, Taichung City, Taiwan R.O.C. WWW.SMARTSCAN.COM.TW

CE RX

SMARTSCAN C4 compact

MODEL: C4B-***

SN: *****

R: *****

N: *****

K: *****

IP: 65

T: 20ms

V: 24V DC ± 10%

I: 0.5A + OSSDs

IEC61496-1 Type 4

IEC61496-2 Type 4

IEC62061 SIL 3

ISO13849-1 PL e

YEAR: 2017

2F, No.5, 10th Road, Taichung Industrial park, Taichung City, Taiwan R.O.C. WWW.SMARTSCAN.COM.TW

CE TX

H

STATUS AND DIAGNOSTIC INDICATION

RX CABLE	RX LED	TX DISPLAY	MODE
GN YE	YE RD YE GN CLEAR OFF EDM ON	0-9, F POWER 0-9, F POWER E5 Display 35 (E5) Display	RESET AUTO RESET STANDARD (LOCKOUT) INVERTED (LOCKOUT)
0 1 1 0 0 0 1 1	1 1 1 0 1 0 0 1 1 1 0 0 1 1 1 0		

RX LEDs note:

YE (CLEAR) ON = Light curtain aligned / YE OFF = Light curtain not aligned

RD ON = OSSD OFF and light curtain detection zone is 'blocked'

YE (EDM) ON = EDM (External Device Monitoring)

GN ON = OSSD ON and light curtain detection zone is 'clear'

RX Top LED indicator: to display power level and beam axis alignment

No signals = Quickly blinking yellow

Not alignment = Slowly blinking yellow

Good signals = Yellow is always ON

TX DISPLAY

DISPLAY POWER (NO FAULT)

0 1 2 3 4 5 6 7 8 9 F

MIN MAX

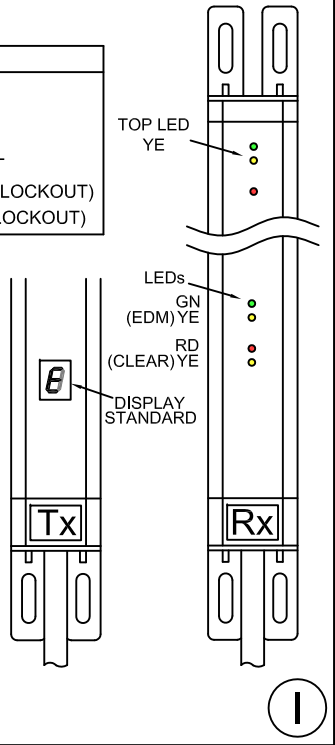
ERROR code (DISPLAY FAULT NUMBER)

E0 = BEAM BLOCKED E1 = EDM

E2 = RESET FAULT E3 = OUTPUT DISPARITY

E4 = OUTPUT SHORT E5 = MODE DISPLAY INVERT

H = DATA line is faulty or disconnected



****ATTENTION****
TEST & MAINTENANCE

V MAX = 1.6 m/s

ODC (N) DIMENSIONS
C4B-** = 30mm
C4B-***L = 40mm
C4A-** = 45mm
C4A-***L = 50mm

J

INSTALLATION
ATTENTION (E)
MAINTENANCE (J)
OPERATION

6 MONTHS
24 HRS.
FAULT

K

REPAIR
DISPOSAL

SUPPLIER

L

WEE/FC1266QW

C4 compact Series Model List									
C4B Series : 30 mm ODC, R = 0.5M - 5M					C4B Series : 40 mm ODC, R = 3M - 10M				
Model	Beams	DZ (mm)	CTR (mm)	L (mm)	Model	Beams	DZ (mm)	CTR (mm)	L (mm)
C4B-6	6	180	212	240	C4B-6L	6	190	212	240
C4B-12	12	330	362	390	C4B-12L	12	340	362	390
C4B-18	18	480	512	540	C4B-18L	18	490	512	540
C4B-24	24	630	662	690	C4B-24L	24	640	662	690
C4B-30	30	780	812	840	C4B-30L	30	790	812	840
C4B-36	36	930	962	990	C4B-36L	36	940	962	990
C4B-42	42	1080	1112	1140	C4B-42L	42	1090	1112	1140
C4B-48	48	1230	1262	1290	C4B-48L	48	1240	1262	1290
C4B-54	54	1380	1412	1440	C4B-54L	54	1390	1412	1440
C4B-60	60	1530	1562	1590	C4B-60L	60	1540	1562	1590
C4B-66	66	1680	1712	1740	C4B-66L	66	1690	1712	1740
C4B-72	72	1830	1862	1890	C4B-72L	72	1840	1862	1890
C4B-78	78	1980	2012	2040	C4B-78L	78	1990	2012	2040
C4B-84	84	2130	2162	2190	C4B-84L	84	2140	2162	2190
C4B-90	90	2280	2312	2340	C4B-90L	90	2290	2312	2340
C4B-96	96	2430	2462	2490	C4B-96L	96	2440	2462	2490

C4A Series : 45 mm ODC, R = 0.5M - 5M					C4A Series : 50 mm ODC, R = 3M - 10M				
Model	Beams	DZ (mm)	CTR (mm)	L (mm)	Model	Beams	DZ (mm)	CTR (mm)	L (mm)
C4A-4	4	205	217	245	C4A-4L	4	210	217	245
C4A-8	8	365	377	405	C4A-8L	8	370	377	405
C4A-12	12	525	537	565	C4A-12L	12	530	537	565
C4A-16	16	685	697	725	C4A-16L	16	690	697	725
C4A-20	20	845	857	885	C4A-20L	20	850	857	885
C4A-24	24	1005	1017	1045	C4A-24L	24	1010	1017	1045
C4A-28	28	1165	1177	1205	C4A-28L	28	1170	1177	1205
C4A-32	32	1325	1337	1365	C4A-32L	32	1330	1337	1365
C4A-36	36	1485	1497	1525	C4A-36L	36	1490	1497	1525
C4A-40	40	1645	1657	1685	C4A-40L	40	1650	1657	1685
C4A-44	44	1805	1817	1845	C4A-44L	44	1810	1817	1845
C4A-48	48	1965	1977	2005	C4A-48L	48	1970	1977	2005

PFHd (Per Hour)	1.66958E-09
MTTFd (Years)	100 years or more

C4 compact Series - M12 Cable Specification	
Cable Model	M12 Cable Specification (Length)
C4-141-3	C4 compact series cable 3M (Receiver)
C4-143-5	C4 compact series cable 5M (Receiver)
C4-145-10	C4 compact series cable 10M (Receiver)
C4-147-20	C4 compact series cable 20M (Receiver)
C4-140-3	C4 compact series cable 3M (Transmitter)
C4-142-5	C4 compact series cable 5M (Transmitter)
C4-144-10	C4 compact series cable 10M (Transmitter)
C4-146-20	C4 compact series cable 20M (Transmitter)

CD1010/120417

EC Declaration of Conformity

Product: Smartscan C4 compact Light Curtain, Model C4B-***, C4B-***L, C4A-***, C4A-***L series.

Manufacturer: Smartscan TW Limited,
2F, No.5, 10th Road, Taichung Industrial park,
Taichung City, Taiwan R.O.C.

Declares that the safety component(s) described serial numbers between C00001 – C99999, fulfils the following safety function: Electro-sensitive protective equipment – Active Opto-electronic Protective Device (safety light curtain).

Conforms to the following Directives:
Machinery Directive 98/37/EC, 2006/42/EC
Electromagnetic Conformity Directive 2014/30/EU

Complies with the relevant requirements of the following Standards:
IEC 61496-1, IEC 61496-2 Type 4
IEC 62061 SIL 3
ISO 13849-1 PL e

Uses the following standards:
ISO 12100

Complies with the examples to which the EC type examination certificate below relates, and is in conformity with the protection requirements of Council Directive 2014/30/EU, as amended, on the approximation of the laws of the Member States relating to electromagnetic compatibility.

The component is of a type listed in Annex IV of the Machinery Directive. Examples have been submitted for type examination by the approved body identified below.

Safenet Limited Notified Body Number 1674
Safenet are authorised to compile the technical file in the EU.

Address Safenet Limited, Denford Garage, Denford, Kettering, Northamptonshire, NN14 4EQ, U.K.

Certificate No. 6496141216a and 6496141216b

Signed: Date: 12/04/2017

Title: **Technical Director**

GLOSSARY		GLOSSAIRE		GLOSSAR		GLOSSARIO		GLOSSARIO		BIBLIOGRAFIE	
ENGLISH	FRANCAIS	DEUTSCHE	ITALIANO	ESPAGNOL	SVENSKA	ORDLISTA	ORDBOG	DANSK	DUTCH	ORDLISTA	ORDBOG
ACTIVATE	ACTIVER	AKTIVIEREN	ATTIVAZIONE	ACTIVARE	ACTIVERING	AKTIVERING	AKTIVERING	AKTIVERING	ACTIVERING	AKTIVERING	AKTIVERING
ATTENTION	ATTENTION	ACHTUNG	ATTENZIONE	ATENCIÓN	OBSERVERA	BEHÖRIG PERSON	BEHÖRIG PERSON	ATTENTION	ATTENTIE	ATTENTIE	ATTENTIE
AUTHORISED PERSON	PERSONNE AUTORISÉE	AUTORISIERTE PERSON	PERSONALE AUTORIZZATO	PERSONA AUTORIZADA	BEHÖRIG PERSON	BEHÖRIG PERSON	BEHÖRIG PERSON	PERSON MED AUTORITET	BEVOEGDE PERSOON	BEVOEGDE PERSOON	BEVOEGDE PERSOON
BEAM	FAISCEAUX	GITTER	RAGGI	HACES	STRÅLAR	STRÅLAR	STRÅLAR	STRÅLE	STRALE	STRALE	STRALE
BLACK	NOIR	SCHWARTZ	NERO	NEGRO	SVART	SVART	SVART	SVART	ZWART	ZWART	ZWART
BLOCK	BLOQUER	UNTERBRECHEN	BLOCCATO	BLOQUE	BLOK	BLOK	BLOK	BLOK	ONDERBROKEN	ONDERBROKEN	ONDERBROKEN
BLUE	BLEU	BLAU	BLU	AZUL	BLÅ	BLÅ	BLÅ	BLÅ	BLAUW	BLAUW	BLAUW
BROWN	MARRON	BRAUN	MARRONE	MARRON	BRUN	BRUN	BRUN	BRUN	BRUIN	BRUIN	BRUIN
CABLE	CÂBLE	KABEL	CAVO	CABLE	KABEL	KABEL	KABEL	KABEL	KABEL	KABEL	KABEL
CLEAR	SECURITE	FREI	LIBERO	CLARO	KLAR	KLAR	KLAR	KLAR	VRIJVELIG	VRIJVELIG	VRIJVELIG
CLOSE	FERME	SCHLIESSEN	CHIUSO	CERCA	NARA	NARA	NARA	KONTROL	SLUITEN	SLUITEN	SLUITEN
CONTROL	KONTROLE	AUSWERTGERAET	KONTROLLO	CONTROLAR	KONTROLL	KONTROLL	KONTROLL	KONTROL	BESTURING	BESTURING	BESTURING
DANGER	DANGER	GEFAHR	PERICOLO	PELIGRO	FARA	FARA	FARA	FARE	GEVAAR	GEVAAR	GEVAAR
DETECTION CAPABILITY	CAPACITE DE DETECTION	AUFLOESUNG	RISOLUZIONE	CAPACIDAD DE DETECCION	UPPLÖSNING	UPPLÖSNING	UPPLÖSNING	OPLOSNING	DETECTIEVERMOGEN	DETECTIEVERMOGEN	DETECTIEVERMOGEN
DISPOSAL	DISPOSITION	ENTFERNEN	SMALTIMENTO	DISPOSICION	SLANGAS	SLANGAS	SLANGAS	RADIGED	VERWIDDEREN	VERWIDDEREN	VERWIDDEREN
ENABLE	ACTIVATION	MUTE BEDINGUNG	ABILITAZIONE	DISPOSICION	MOJLIGGOR	MOJLIGGOR	MOJLIGGOR	MULIG	ACTIVEREN	ACTIVEREN	ACTIVEREN
E-STOP	ARRÊT D'URGENCE	NOTSTOP	ARRESTO D'EMERGENZA	PARO DE EMERGENCIA	NODSTOP	NODSTOP	NODSTOP	E-STOP	NODSTOP	NODSTOP	NODSTOP
FAULT	DEFAUT	FEHLER	GUASTO	INCIDENTE	FEL	FEL	FEL	FEJLI	FOUT	FOUT	FOUT
FEATURE	DISPOSITIF	EIGENSCHAFT	CARATTERISTICA	CARACTERISTICA	EGENSKAPER	EGENSKAPER	EGENSKAPER	MULIGHEDER	EIGENSCHAP	EIGENSCHAP	EIGENSCHAP
GREEN	VERT	GRÜN	VERDE	VERDE	GRÖN	GRÖN	GRÖN	GRÖN	GRÖEN	GRÖEN	GRÖEN
GREY	GRIS	GRAU	GRIGIO	GRIS	GRA	GRA	GRA	GRA	GRIS	GRIS	GRIS
INDICATOR	INDICATEUR	ANZEIGE	INGRESSO	INDICADOR	INDIKERING	INDIKERING	INDIKERING	INDIKATION	INGANG	INGANG	INGANG
INPUT	ENTREE	ENGANG	INGRESSO	ENTRADA	INGANG	INGANG	INGANG	INGANG	INGANG	INGANG	INGANG
INSTALLATION	INSTALLATION	INSTALLATION	INSTALLAZIONE	INSTALACION	INSTALLATION	INSTALLATION	INSTALLATION	INSTALLATION	INSTALLATIE	INSTALLATIE	INSTALLATIE
LIGHT CURTAIN	BARRIERE	LICHTGITTER	BARRIERA OTTICA	CORTINA DE SEGURIDAD	LYSGITTER	LYSGITTER	LYSGITTER	LYSGITTER	LICHTSCHERM	LICHTSCHERM	LICHTSCHERM
MAINTENANCE	ENTRETIEN	WARTUNG	MANTENIZIONE	MANTENIMIENTO	UNDERHALL	UNDERHALL	UNDERHALL	VEDIGEHOLDE	ONDERHOUD	ONDERHOUD	ONDERHOUD
MODE	BETRIEBSART	MODE	MODULO	MODULO	FUNKTIONSLAGE	FUNKTIONSLAGE	FUNKTIONSLAGE	MODE	MODUS	MODUS	MODUS
MODEL	TYP	MODUL	MODELLO	MODELO	MODEL	MODEL	MODEL	MODEL	MODEL	MODEL	MODEL
MODULE	MODULE	MODUL	MODULO	MODULO	MODUL	MODUL	MODUL	MODUL	MODULE	MODULE	MODULE
MONTHS	MOIS	MONATE	MESE	MESES	MANÄDER	MANÄDER	MANÄDER	MANED	MAANDEN	MAANDEN	MAANDEN
MUTE	OPPRESSION	MUTE	INIBIZIONE	MUTE	FORBIDKOPPLING	FORBIDKOPPLING	FORBIDKOPPLING	MUTE	ONDERDRUKKEN	ONDERDRUKKEN	ONDERDRUKKEN
OFF	OFF	AUS	NON ATTIVO	MUTE	FRAN	FRAN	FRAN	SLUKKE	UIT	UIT	UIT
ON	ON	EIN	ATTIVO	ABIERTO	TILL	TILL	TILL	TAENDE	AAN	AAN	AAN
OPEN	OUVERT	OFFEN	APERTO	ABIERTO	ÖPPEN	ÖPPEN	ÖPPEN	ÖPPEN	OPEN	OPEN	OPEN
OPERATION	OPERATION	IN BETRIEB	FUNZIONAMENTO	OPERACION	DRIFT	DRIFT	DRIFT	OPERATION	INBEDRIJF	INBEDRIJF	INBEDRIJF
ORANGE	ORANGE	ORANGE	ARANCIO	NARANJA	ORANGE	ORANGE	ORANGE	ORANGE	ORANJE	ORANJE	ORANJE
OVERRIDE	ENFORCER	UEBERBRUEKEN	INVALIDARE	OVERRIDE	OVERSTYRNING	OVERSTYRNING	OVERSTYRNING	OVERSTYRE	OVERBRUGGING	OVERBRUGGING	OVERBRUGGING
OUTPUT	SORTIE	AUSGANG	USCITA	SALIDA	UTGANG	UTGANG	UTGANG	UTGANG	UTGANG	UTGANG	UTGANG
PINK	ROSE	ROSA	ROSA	ROSA	LYSEROD	LYSEROD	LYSEROD	LYSEROD	ROOS	ROOS	ROOS
RECEIVER	RECEPTEUR	EMPFANGER	RICEVITORE	RECEPTOR	MOTTAGARE	MOTTAGARE	MOTTAGARE	MOTTAGARE	ONTVANGER	ONTVANGER	ONTVANGER
RATING	ESTIMATION	KLASSE	CLASSIFICAZIONE	GRADO	KLASSIFICERING	KLASSIFICERING	KLASSIFICERING	KLASSIFICERING	STANDAARD	STANDAARD	STANDAARD
RELAY	RELAIS	ROUGE	RELE	RELE	RELA	RELA	RELA	RELA	RELAIS	RELAIS	RELAIS
RED	ROUGE	ROT	ROSSO	ROJO	ROD	ROD	ROD	ROD	ROOD	ROOD	ROOD
REPAIR	REPARATION	REPARATUR	RIPARAZIONE	REPARAR	REPARATION	REPARATION	REPARATION	REPARERE	HERSTELLEN	HERSTELLEN	HERSTELLEN
RESTART	REDEMARRAGE	WIEDERANLAUFSPERRE	RIAVVIO	REINICIALIZER	ATERSTART	ATERSTART	ATERSTART	GENSTART	HERSTART	HERSTART	HERSTART
SAFETY	SECURITE	SICHERHEIT	SICUREZZA	SEGURIDAD	SAKERHET	SAKERHET	SAKERHET	AKKERHED	VELLIGHED	VELLIGHED	VELLIGHED
SHIELD	TERRE	ERDFABEN	SCHERMO	MALLA	SKARM	SKARM	SKARM	SKARM	AARING	AARING	AARING
STATUS	STATUT	STATUS	STATO	ESTADO	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS
SUPPLIER	FOURNISSEUR	LIEFERANT	FORNITORE	PROVEEDOR	LEVERANDÖR	LEVERANDÖR	LEVERANDÖR	LEVERANDÖR	LEVERANCIER	LEVERANCIER	LEVERANCIER
TEST	ESSAI	PRÜFUNG	PROVA	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST
TRANSMITTER	EMETTEUR	SENDER	EMETTITORE	TRANSMISOR	SANDARE	SANDARE	SANDARE	SENDER	ZENDER	ZENDER	ZENDER
VIOLET	VIOLET	VIOLETT	VIOLA	VIOLETA	VIOLETT	VIOLETT	VIOLETT	VIOLETT	VIOLET	VIOLET	VIOLET
YELLOW	JAUNE	GELB	GIALLO	AMARILLO	GUL	GUL	GUL	GUL	GEEL	GEEL	GEEL
WHITE	BLANC	WEISS	BIANCO	BLANCO	VIT	VIT	VIT	HVID	WIT	WIT	WIT

SMARTSCAN TW LTD. www.smartscan.com.tw
2F, No.5 10th Rd. Taichung industrial park,
Taichung City,Taiwan R. O. C
TEL:886-4-23598885 FAX:886-4-23599423