



## DE Kurzbetriebsanleitung

### FCC/IC Digital Device Limitations – TN902-Q120L130-H1147

FCC ID: YQ7TN902-Q120L131  
IC ID: 8821A-T902Q12L14

This device complies with Part 15 of the FCC Rules and Industry Canada licence-exempt RSS standard(s):  
Operation is subject to the following two conditions:  
(1) this device may not cause harmful interference, and  
(2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

Le présent appareil est conforme aux CNR d’Industrie Canada applicables aux appareils radio exempts de licence. L’exploitation est autorisée aux deux conditions suivantes :  
(1) l’appareil ne doit pas produire de brouillage, et  
(2) l’utilisateur de l’appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d’en compromettre le fonctionnement.

**Note:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This equipment complies with FCC/IC exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 30 cm between the radiator & your body.

CAN ICES-3 (A)/NMB-3(A)

Use only with listed LPS or class 2 power supply!

### FCC/IC Digital Device Limitations – TN902-Q175L200-H1147

FCC ID: YQ7TN902-Q175L201  
IC: 8821A-T902Q17L21

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:  
(1) this device may not cause harmful interference, and  
(2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:  
(1) this device may not cause interference, and  
(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d’Industrie Canada applicables aux appareils radio exempts de licence. L’exploitation est autorisée aux deux conditions suivantes :  
(1) l’appareil ne doit pas produire de brouillage, et  
(2) l’utilisateur de l’appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d’en compromettre le fonctionnement.

**Note:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This equipment complies with FCC/IC exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 30 cm between the radiator & your body.

CAN ICES-3 (A)/NMB-3(A)

Use only with listed LPS or class 2 power supply!

LED 1 (grün)	LED 2 (gelb)	LED 3 (rot)	Bedeutung
aus	aus	aus	Betriebsspannung ausgeschaltet
weiß leuchtet dauerhaft	weiß leuchtet dauerhaft	weiß leuchtet dauerhaft	Startphase
grün leuchtet dauerhaft	aus	aus	Betriebsspannung eingeschaltet, Funkfeld eingeschaltet, kein interner Fehler
grün leuchtet dauerhaft	gelb leuchtet dauerhaft	aus	Betriebsspannung eingeschaltet, Funkfeld eingeschaltet, kein interner Fehler
grün leuchtet dauerhaft	gelb leuchtet dauerhaft	rot leuchtet dauerhaft	Betriebsspannung eingeschaltet, Funkfeld eingeschaltet, interner Fehler
grün blinkt	aus	aus	Zugriff auf Datenträger erfolgreich
grün blinkt	gelb leuchtet dauerhaft	aus	Datenträger befindet sich im Funkfeld
Lauflicht: grün > gelb > rot			Testmodus

### Einstellen und Parametrieren

Die Geräte lassen sich über Software-Tools mit einem PC parametrieren. Weitere Informationen finden Sie in den BL ident®-Inbetriebnahmehandbüchern.

### Reparieren

Das Gerät ist nicht zur Reparatur durch den Benutzer vorgesehen. Sollte das Gerät defekt sein, nehmen Sie es außer Betrieb. Bei Rücksendung an TURCK beachten Sie bitte unsere Rücknahmebedingungen.

### Entsorgen

Die Geräte sind für den Einbau in industrielle Großanlagen und Großwerkzeuge bestimmt. Die Geräte müssen fachgerecht entsorgt werden und gehören nicht in den normalen Hausmüll.

## FR Guide d'utilisation rapide

### Mise en marche

Après avoir raccordé les câbles et après mise sous tension, l'appareil se met automatiquement en marche.

### Utilisation

LED 1 (verte)	LED 2 (jaune)	LED 3 (rouge)	signification
éteint	éteint	éteint	Tension de service désactivée
blanc allumé en fixe	blanc allumé en fixe	blanc allumé en fixe	Phase de démarrage
vert allumé en fixe	éteint	éteint	Tension de service activée, champ radio désactivé, absence d'erreur interne
vert allumé en fixe	jaune allumé en fixe	éteint	Tension de service activée, champ radio activé, absence d'erreur interne
vert allumé en fixe	jaune allumé en fixe	rouge allumé en fixe	Tension de service activée, champ radio activé, erreur interne
vert clignotant	éteint	éteint	Accès réussi au support de données
vert clignotant	jaune allumé en fixe	éteint	Le support de données se trouve dans le champ radio
Chenillard : vert > jaune > rouge			Mode test

### Réglage et paramétrage

Les appareils peuvent être paramétrés sur un PC via les outils logiciels. Vous pourrez trouver des informations supplémentaires dans les manuels de mise en service BL ident®.

### Réparation

L'appareil n'est pas conçu pour être réparé par l'utilisateur. Si l'appareil présente des défauts, mettez-le hors service. En cas de retour à TURCK, veuillez respecter les conditions de reprise.

### Mise au rebut

Les appareils sont conçus pour une intégration au sein d'installations et d'outils industriels de grandes dimensions. Les appareils doivent être mis au rebut de manière conforme et ne doivent pas être jetés avec les déchets ménagers normaux.

## EN Quick-Start Guide

### Operation

LED 1 (green)	LED 2 (yellow)	LED 3 (red)	Meaning
off	off	off	Operating voltage switched off
white continuously lit	white continuously lit	white continuously lit	Start phase
green continuously lit	off	off	Operating voltage switched on, radio field switched off, no internal error
green continuously lit	yellow continuously lit	off	Operating voltage switched on, radio field switched on, no internal error
green continuously lit	yellow continuously lit	red continuously lit	Operating voltage switched on, radio field switched on, internal error
green flashing	off	off	Access to the data areas successful
green flashing	yellow continuously lit	off	Data carrier located in the radio field
Running light: green > yellow > red			Test mode

### Setting and parameterization

The devices can be parameterized via software tools with a PC. Further information is provided in the BL ident® startup manuals.

### Repair

The device must not be repaired by the user. The device must be decommissioned if it is faulty. Observe our return acceptance conditions when returning the device to TURCK.

### Disposal

The devices are designed for installation in large-scale industrial installations and equipment. The devices must be disposed of correctly and must not be included in normal household garbage.

## Technical Data | Technische Daten | Données techniques

Technical features	TN902-Q120...	TN902-Q175...
Mounting conditions	non-flush	non-flush
Ambient temperature	-25...+50 °C	-25...+50 °C
Operating voltage	12...24 VDC	12...24 VDC
Data transfer	alternating electromagnetic field	alternating electromagnetic field
Operating frequency	902...928 MHz	902...928 MHz
Radio communication	ISO 18000-6C	ISO 18000-6C
and protocol standards	EPCglobal Gen 2	EPCglobal Gen 2
Channel spacing	200 kHz	200 kHz
Output power	0.5 W (ERP), adjustable	1 W (ERP), adjustable
Antenna polarization	RHCP	RHCP
Antenna HBPW	110°	90°
Read/write distance max.	1500 mm	4000 mm
Output function	4-wire, read/write	4-wire, read/write
Construction	rectangular	rectangular
Dimensions	130 × 120 × 60 mm	200 × 175 × 60 mm
Housing material	Aluminium, AL, silver	Aluminium, AL, silver
Material active area	plastic, ABS, black	plastic, ABS, black
Connection	male, M12 × 1	male, M12 × 1
Vibration resistance	55 Hz (1 mm)	55 Hz (1 mm)
Shock resistance	30 g (11 ms)	30 g (11 ms)
IP rating	IP67	IP67
MTTF	51 years acc. to SN 29500 (Ed. 99) 40 °C	51 years acc. to SN 29500 (Ed. 99) 40 °C
Power-on indication	LED green/yellow/red	LED green/yellow/red
Diagnostic display	differently adjustable	different settings