

Universal Laundry Reading Station
Installation Guide
Version 1.0

UNIVERSAL LAUNDRY READING STATION FCC EQUIPMENT STATEMENT

WARNING TO USERS IN THE UNITED STATES

FEDERAL COMMUNICATIONS COMMISSION (FCC) RADIO

INTERFERENCE STATEMENT 47 CFR Section 15.105(b)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Make sure you use only shielded cable to connect peripheral devices to your equipment.
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different to that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NO UNAUTHORISED MODIFICATIONS

47 CFR Section 15.21

CAUTION: This equipment may not be modified, altered, or changed in any way without signed written permission from TAGSYS. Unauthorized modification may void the equipment authorization from the FCC and will void the TAGSYS warranty.

ANTENNA REQUIREMENT

47 CFR Section 15.203

CAUTION: This equipment must be professionally installed. The installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded. Non-professional installation or installation of the equipment with an improper antenna may void the equipment authorization from the FCC and will void the TAGSYS warranty.

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OBJECT

This document describes how to safely install a “Universal Laundry Reading Station”.

Ce document décrit comment installer en toute sécurité la « Universal Laundry Reading Station ».

DESCRIPTION & INSTALLATION

1) DESCRIPTION:

1.1 Presentation:



The station is composed of a TAG reader, one or several antennas matched and tuned during manufacturing test, a tallies and a hooding closed by back panels.

La station se compose d'un lecteur de TAG, d'une ou plusieurs antennes adaptées et testées, d'un cadre et d'un capotage fermé par des panneaux à l'arrière.

The purpose of this equipment is to allow the reading of a moving tag on a conveyor.

Cet équipement a pour objectif de permettre la lecture à la volée d'étiquettes électroniques circulant sur un convoyeur.



The station will be installed near the conveyor, on a 30mm-diameter pole placed vertically (see picture 2), which can be made of steel or stainless steel. See paragraph "Advice and Restrictions for usage and security".

La station sera installée le long du parcours de convoyage, sur un mât placé verticalement (Cf. figure 2), de diamètre 30mm, pouvant être en acier ou en acier inoxydable.

Voir paragraphe Conseils et restrictions d'utilisation et de sécurité.

The station will be oriented the best way possible using various points of adjustment (see picture 2), to ensure an optimal reading rate (see Use).



La station sera orientée convenablement grâce aux différents points de réglage (Cf. figure 2), afin d'assurer un bon taux lecture (Cf. Utilisation).

The pole must be placed vertically ($\pm 3^\circ$), at 30cm (± 5 cm) from the conveying line. The useful zone of this pole, to properly hang the station, extends 20cm above the hanging level of the clothes hangers, and over 2m length downwards. The pole must be fixed, stable and rigid, in order to support the load of the station (around 17kg according to the chosen configuration) with an overhang of 40cm on the 2 points of hanging which are spaced by 104cm (see picture 5).

Le mât doit être placé verticalement ($\pm 3^\circ$), à 30cm (± 5 cm) de la ligne de convoyage. La zone utile de ce mât, pour l'accrochage de la station, se situe, en haut, 20cm au-dessus du niveau d'accrochage des cintres, et sur une longueur de 2m vers le bas. Le mât doit être fixe, stable et rigide, afin de supporter sans fléchir la charge de la station (autour de 17kg suivant les configurations) avec un porte-à-faux de 40cm sur les 2 points d'accroche qui sont espacés de 104cm (Cf. figure 5).



It should be noted that the TAG reader, generally placed at the bottom of the station, is the heaviest single element (~5kg). The remaining of the weight is uniformly distributed.

A noter que le lecteur de TAG, généralement placé en bas dans la station, est l'élément le plus lourd (~5kg), le reste de la masse étant uniformément réparti.