«DEAR_1»

«COMPANY»
«ADDRESS»

Monte San Pietro, 17/11/2000

CIRCULAR LETTER N° MKT-PDM-1480

Subject: S41 Series - new models through-beam and retroreflex for transparents

Dear «DEAR_1»,

I am please to inform you that the new **S41 series** models, with the emitter-receiver, narrow beam emitter and retroreflex for transparents functions, are now available.

The **S41-x-G** emitter model and **S41-x-F** receiver model have an operating distance that ranges from 0.1 to 6 meters, with a 24 cm wide emission beam at the maximum operating distance.
The **S41-x-H** emitter model, with narrow emission beam, has instead a 3 cm wide beam at the 1.5 meter operating distance, obtained using the **S41-x-F** receiver model.
This allows to put different emitter-receiver couples side by side, separating them by only 3 cm. To add other emitter-receiver couples, or reduce the interference possibilities, the alignment of the emitter of one couple next to the receiver of the successive couple and vice versa, and continue to alternate the emitters and receivers as indicated in the following example, is suggested:

EMITTER 1 ⇨ **RECEIVER 1**
RECEIVER 2 ⇦ **EMITTER 2**
EMITTER 3 ⇨ **RECEIVER 3**
RECEIVER ⇦ **EMITTER**

The **S41-x-H** emitter model with narrow beam is very useful in AMH applications (Automatic Materials Handling), in particular in loading systems and in the material entering sections, thanks to the detection line precision as well as the possibility to create detection barriers aligning different emitter-receiver couples.

With reference to the new **S41-x-T** retroreflex model for transparents, the trimmer-adjustment versions with the same technical specifications of the microprocessor-based **S40-x-T** sensor are re-proposed.
Moreover, together with the cost-effective advantage, the **S41-x-T** models presents excellent performances, independent from the transparent object's position in the detection area that ranges from the sensor to the reflector.
To obtain best results, the sensitivity adjustment has to be effected on the reflector without the object to detect, turning clockwise the trimmer from the minimum up to the turning-off of the yellow output LED.

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The updated copies of the user manual and datasheet are herein attached, and are also available on the website www.datasensor.com in the product search section.

Commercial conditions

The following table summarises the order references relative to the new models of the **S41 series**:

LdP	Code N°	Model	Description
5070	950701180	S41-2-F-N	receiver, npn na-nc, cable
5070	950701030	S41-2-F-P	receiver, pnp na-nc, cable
5070	950701040	S41-2-G	6m emitter, cable
5070	950701045	S41-2-H	2m narrow beam emitter, cable
5070	950701200	S41-2-T-N	0.7m RRX for transparents, npn, cable
5070	950701130	S41-2-T-P	0.7m RRX for transparents, pnp, cable
5070	950701240	S41-5-F-N	receiver, npn na-nc, M8
5070	950701080	S41-5-F-P	receiver, pnp na-nc, M8
5070	950701090	S41-5-G	6m emitter, M8
5070	950701095	S41-5-H	2m narrow beam emitter, M8
5070	950701260	S41-5-T-N	0.7m RRX for transparents, npn, M8
5070	950701140	S41-5-T-P	0.7m RRX for transparents, pnp, M8

Please consider valid the commercial conditions in force for the **5070 LDP**.
The customs code is 85365080.

For these new models the foreseen delivery time is 4 - 8 weeks; please refer to the ABC classification, given below, beginning from January 2001.

Code N°	Model	Class
950701000	S41-2-B-P	A
950701010	S41-2-C-P	A
950701020	S41-2-D-P	B
950701030	S41-2-F-P	A
950701040	S41-2-G	A
950701045	S41-2-H	C
950701100	S41-2-P-P	B
950701130	S41-2-T-P	B
950701050	S41-5-B-P	A
950701060	S41-5-C-P	A
950701070	S41-5-D-P	B
950701080	S41-5-F-P	A
950701090	S41-5-G	A
950701095	S41-5-H	C

Code N°	Model	Class
950701110	S41-5-P-P	B
950701140	S41-5-T-P	B
950701150	S41-2-B-N	C
950701160	S41-2-C-N	C
950701170	S41-2-D-N	C
950701180	S41-2-F-N	C
950701190	S41-2-P-N	C
950701200	S41-2-T-N	C
950701210	S41-5-B-N	C
950701220	S41-5-C-N	C
950701230	S41-5-D-N	C
950701240	S41-5-F-N	C
950701250	S41-5-P-N	C
950701260	S41-5-T-N	C

Class A: planned production for stock, 1 week delivery time.

Class B: subassembled parts, ready to be completed upon order receipt, 2-3 weeks delivery time.

Class C: Complete production upon order receipt, 6-8 weeks delivery time.

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Thank you in advance for your kind collaboration in diffusing this information to all your colleagues and customers.

Best regards

I.E.S. S.p.A.



Daniele Lippi
Product Manager

Attachments:

- **S41 series** user manual
- **S41 series** datasheet