

30th July 2013

Dear Harmony Customer,

**Schneider Electric gives you enhanced security for your applications.**

The evolution of standards relating to safety, and especially the use of devices for Emergency Stop function now have a global impact.

IEC and ISO standards are now the driving force for electrical standards and safety across the globe, key standards such as IEC 60947-5-5 ( relating to Emergency Stop devices), and ISO 13850 ( Emergency Stop – principles for design) are now being more rigidly enforced than before in many parts of the world.

Schneider Electric, as a leader in the market for industrial pushbuttons, aims to help you to easily choose the correct devices to comply with the relevant standards, no matter where you build, sell or use your equipment.

Today there are two functions defined by IEC 60204 (Safety of Machinery – Electrical equipment of machines), namely Emergency Stop (focused for mechanical risks) and Emergency Switching Off (focused on other risks).

For our customers it is not always clear which type of product to choose for each of these two functions, therefore we will offer one type of device only, namely the Trigger Action\* head. These comply with both of these applications, eliminating the risk that you may inadvertently choose the wrong type.

The use of trigger action heads is the key way to respect the standard requirements for the Emergency Stop and the Emergency Switching Off functions.

We are also taking this opportunity to refresh the look of the Harmony XB4 and XB5 emergency stop heads, in line with the style recently introduced for the XB7 range. These changes will be visible on products that are sold from early 2014 onwards.

- New modern head design ( see attached photos)
- XB5 range will have a yellow bezel for trigger action heads
- New general safe stop function, with a black head, to be used to stop a machine at the end of a cycle ( not an emergency stop function)
- New modern legend plate, with a form to avoid potential blocking of a head by tools left on a panel

These changes will also coincide with a stop of commercialisation of the non trigger action heads, previously promoted for Emergency Switching Off functions. We will offer trigger action heads for this function.

What is the impact for you if:

**Today you buy non trigger action heads for your application:**

In January 2014, a migration to trigger action heads will happen. A new commercial reference will be used to order the new device. A cross reference chart is included with this communication. It will no longer be possible to guarantee the availability of non trigger action heads after this date.

**Today you buy trigger action heads for your application:**

In January 2014 you will see a change to a more modern design for the head. For customers using XB5 plastic heads you will also see the change to a yellow bezel. There will be no change in commercial reference between the existing and future design.

To summarise the key benefits to you:

- Simplification of the offer allows you to easily choose the correct device for your emergency stop or emergency switching off function, and to rest assured about your conformity to IEC and ISO standards
- Updating of the design to give a more modern appearance to your control panel or machine
- Most importantly this change will have no impact on the installation, use or maintenance of the heads. We maintain the same fixing and contact blocks, and the mounting process is still the same. There is 100% interchangeability between a new style head and an existing head.

We trust that these evolutions will help you to enhance the security of your applications and we take this moment to thank you for choosing Harmony pushbuttons, the worlds leading control and signalling range.

Best regards,

Harmony Product Manager

**\* Key difference between Trigger and Non Trigger mechanism heads**

*With non trigger mechanism it's possible by pressing slowly on the head to open the contact without latching the head.*

*With a trigger action mechanism after a certain operating distance of the head, a spring is actuated and open the contact before reaching the latch position of the head.*

**New XB5 plastic range with yellow bezel**



## Harmony XB4 / XB5

- > **Unique product for Emergency Stop and Emergency Switching Off functions**  
Easy to select, conforming to IEC standard
- > **New visual design**  
Head marking, yellow bezel for XB5
- > **New Emergency Stop legend plate**  
to not impede the product with tools



Technical specifications:  
XB4, XB5  
XB4-100, XB5-100, XB5-100-100  
XB5-100-100-100

International certifications:  
UL, UL, CSA, IEC, GOST

Harmony Emergency Stop and Emergency Switching Off



Removed	Replaced by	Cross reference chart			
Non trigger action	Trigger action	Bezel	Type	Head Color	Head Ø
XB4BS142	XB4BS9442	Metal	KR	RD	40
XB4BS142EX	XB4BS9442EX	Metal	KR	RD	40
XB4BS144S16	XB4BS9444S16	Metal	KR	RD	40
XB4BS542	XB4BS8442	Metal	TTR	RD	40
XB4BS542EX	XB4BS8442EX	Metal	TTR	RD	40
XB4BS542S05	XB4BS8442S05	Metal	TTR	RD	40
XB4BS544	XB4BS8444	Metal	TTR	RD	40
XB4BS544S47	XB4BS8444S47	Metal	TTR	RD	40
XB4BT42	XB4BT842	Metal	PP	RD	40
XB5AS142	XB5AS9442	Plastic	KR	RD	40
XB5AS144S40	XB5AS9444S40	Plastic	KR	RD	40
XB5AS542	XB5AS8442	Plastic	TTR	RD	40
XB5AS542N	XB5AS8442N	Plastic	TTR	RD	40
XB5AT42	XB5AT842	Plastic	PP	RD	40
ZB4BS14	ZB4BS944	Metal	KR	RD	40
ZB4BS1410	ZB4BS94410	Metal	KR	RD	40
ZB4BS1412	ZB4BS94412	Metal	KR	RD	40
ZB4BS1414	ZB4BS94414	Metal	KR	RD	40
ZB4BS14147	ZB4BS944147	Metal Black	KR	RD	40
ZB4BS1420	ZB4BS94420	Metal	KR	RD	40
ZB4BS14207	ZB4BS944207	Metal Black	KR	RD	40
ZB4BS147	ZB4BS9447	Metal Black	KR	RD	40
ZB4BS14C	ZB4BS944C	Metal	KR	RD	40
ZB4BS14K	ZB4BS944K	Metal	KR	RD	40
ZB4BS24	ZB4BS964	Metal	KR	RD	60
ZB4BS2410	ZB4BS96410	Metal	KR	RD	60
ZB4BS2412	ZB4BS96412	Metal	KR	RD	60
ZB4BS2414	ZB4BS96414	Metal	KR	RD	60
ZB4BS2420	ZB4BS96420	Metal	KR	RD	60
ZB4BS247	ZB4BS9647	Metal Black	KR	RD	60
ZB4BS24K	ZB4BS964K	Metal	KR	RD	60
ZB4BS44	ZB4BS834	Metal	TTR	RD	30
ZB4BS447	ZB4BS8347	Metal Black	TTR	RD	30
ZB4BS54	ZB4BS844	Metal	TTR	RD	40
ZB4BS5430	ZB4BS84430	Metal	TTR	RD	40
ZB4BS547	ZB4BS8447	Metal Black	TTR	RD	40
ZB4BS54S45	ZB4BS844S45	Metal	TTR	RD	40
ZB4BS54TQ	ZB4BS844TQ	Metal	TTR	RD	40
ZB4BS64	ZB4BS864	Metal	TTR	RD	60
ZB4BS647	ZB4BS8647	Metal Black	TTR	RD	60
ZB4BS74	ZB4BS934	Metal	KR	RD	30
ZB4BS74K	ZB4BS934K	Metal	KR	RD	30
ZB4BT4	ZB4BT84	Metal	PP	RD	40
ZB4BT44	ZB4BT844	Metal	PP	RD	30
ZB4BT47	ZB4BT847	Metal Black	PP	RD	30
ZB4BT4S45	ZB4BT84S45	Metal	PP	RD	30
ZB4BT4TQ	ZB4BT84TQ	Metal	PP	RD	30
ZB4BX4	ZB4BX84	Metal	PP	RD	60
ZB5AS14	ZB5AS944	Plastic	KR	RD	40
ZB5AS1410	ZB5AS94410	Plastic	KR	RD	40
ZB5AS1412	ZB5AS94412	Plastic	KR	RD	40