



Safety Control Systems

杉山電機株式会社

SUGIYAMA ELECTRIC CO., LTD

高性能ミスグリップ検出装置

High Performance Transfer Detector

SS-830/816

グリップミスを実際にキャッチ  
Completely catches all grip errors



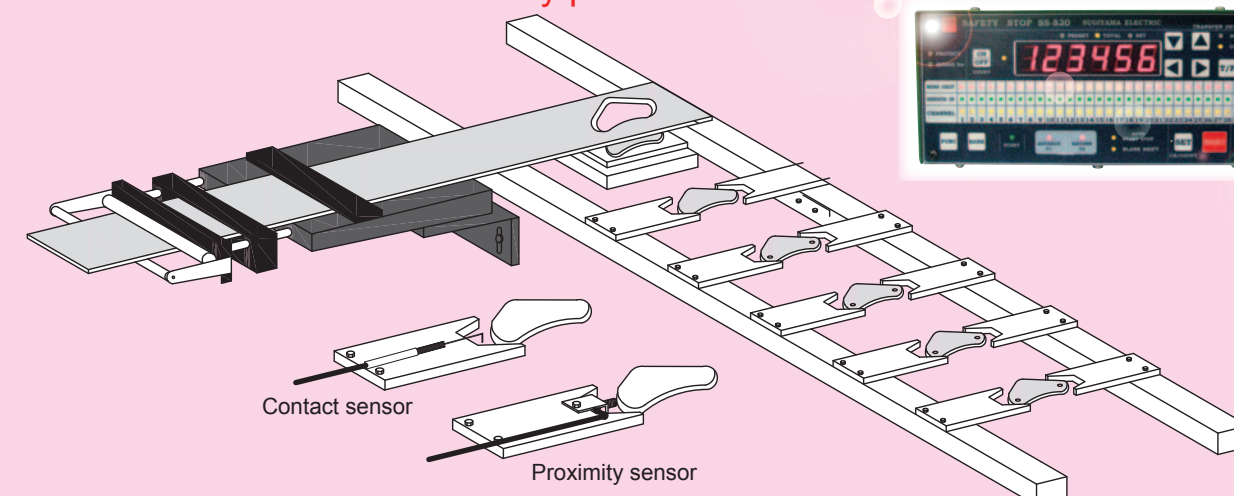
多工程にも対応、安心の30チャンネル

A reliable 30-channel type supporting multi-process lines

Grip errors are automatically checked for! Improves productivity with no work running and auto-start/stop functions.

Sugiyama's transfer detector, SS-830/816, completely detects all grip errors at the transfer press and prevents damage to molds and delivery of faulty items. In addition, it can be used with all kinds of sensors, has a function to prevent momentary stops and incorporates a databank to save setting data for each mold and hereby facilitate the production management.

Substantial functions ensure steady production.



## Part Names of Cam Controller

Counter/Internal setting Display

Counter ON/OFF lamp

Grip error lamp

Sensor error lamp

Sensor Input lamp

ON-Active lamp

FUNC (function) button

Push to select a function of the controller

BANK button

Push to change/register press die numbers.

Start lamp

NumericSetting Keys

Preset/Total Selector Switch

Counter Reset Switch

Set Switch

Reset Switch

Auto start/stop lamp

Monitor ON/OFF Switch

No work running lamp

Return T2 lamp

Advance T1 lamp

## 16-channel type SS-816



## Features

- 30-channel type affords to support multi-process lines.
- Function to continue operation with no work running.
- Equipped with auto-start/stop function according to the availability of material in the preceding stage.
- Databank for mold management.  
Settings for 30 channels are saved for each mold.  
Data for up to 100 molds can be registered.
- Equipped to monitor the sensors.  
Check the sensors for cut wires and failures.
- Can be switched between synchronous and thru-beam modes with or without shift.
- All kinds of sensors are supported.  
Can be used with all kinds of sensors including contact, limit, proximity and photoelectric.
- Equipped with a counter.  
Finished items are counted in the final process for lot management.
- Equipped to prevent momentary stops.  
Chatter caused by gripping is absorbed using an off-delay timer at the input section.
- Equipped to monitor the timing inputs.  
Check the detection timing inputs for cut wires and failures.



Supply Voltage	AC100 to 240V±10% 50/60Hz
Power Consumption	Less than 30W
Output	4 (Emergency Stop, T.D.C Stop, Continuation Interlock, Alarm)
Specifications of output	DC30V/AC250V 3A
Stop output delay time	Within 10 ms
External power supply	12V 1A Max.
Number of detection channels	30 channels (Type SS-816: 16channels)
Detection method	Synchronization・Passage
Timing input	2 (Advance・Return)
Data Bank	100 banks
Number of digits for "TOTAL" counter	6 digits
Number of digits for "PRESET" counter	6 digits
Back-up memory life	10 years
Operating Temperature Range	No dew deposition and no freeze permitted. 0~+55℃
Operating Humidity Range	No dew deposition permitted. 35~85%RH
Weight	2.4Kg (including 0.8 kg. of bracket)
Main Body Dimensions excluding attachments	200(W)×86.5(H)×180(D)

## Main Body Configuration

