Challenger Version 8
Delayed Holdup Input Facilities.   AN14

This document provides details of the facilities available and the programming requirements for utilizing the Delayed Holdup input facilities.
A programming flow chart is provided at the end of this document for reference.

The Delayed Holdup Input types provide a feature which allows Holdup or Duress type inputs to be activated and generate an alarm locally (activating cameras and other outputs if required) but not report to the remote monitoring station until after a pre-programmed delay has expired.

This provides personnel on site the opportunity to rectify the cause and/or reset the alarm if it was activated accidently or by a faulty input device, before it is reported.
It is usually utilized where there is more than one holdup button installed as The Challenger will report the alarm instantly if a second delayed holdup input type is activated.

Accessing the Install Menu:

To display menu option 19 (Install Menu) in the User menu, the alarm group of the user code must allow it. The Master Installer is User Number 50. The default master PIN code (User 50) = 4346.
The master PIN code should be changed. The Alarm Group assigned to User 50 should never be changed.

The Installer menu is accessed via the User menu and is User menu option 19.
The system must be disarmed before it is possible to use the Installer Menu.

To disarm the system:

4 3 4 6 (Master PIN code) **<OFF>** then   **0** (Select all areas) **<ENTER>**

To access the Install Menu:

<MENU>   **4 3 4 6** (Master PIN code) **<ENTER>** Accesses User Menu.
then **1 9**   **<ENTER>** Selects Install Menu

Delayed Holdup Input Type Details

	INPUT TYPES	Function when Unsealed ACCESS	SECURE	NOTES
11.	DELAYED ACCESS ALARM	Alarm (After Delay)	-	Delay Programmable e.g.Holdup button to report after delay
8.	DELAYED ACCESS / HOLDUP AT NIGHT.	Alarm (After Delay)	Alarm	Delay Programmable e.g. Holdup button to report after delay in access, but instant in secure. Instant if a 2nd delayed alarm is activated.
22.	DELAYED ACCESS NON-LATCHING / HOLDUP AT NIGHT.	Alarm (After Delay)	Alarm	As per Type 8, but Access alarm resets automatically when i/p reseals. e.g. Latching holdup button.
40.	SUSPICION OR DELAYED ACCESS / HOLDUP AT NIGHT.	Alarm (After Delay)	Alarm	As per Type 8, but Short cct on the input in Access activates Camera Event only. e.g. Special "Suspicion"/ "Holdup" button assembly.

AN14

1.   Determine   the   holdup   button requirements and fill out the programming sheets.

In this application system you will need to consider these Installer Menu databases:

Blank programming sheets are found at the rear of the Version 8 Programming guide.

1.   Input Database
2.   Area Database
6.   Timers
7.   System Options
10.   Text Words
16.   Relay Mapping

2.   Program the SYSTEM OPTIONS to specify general system operational parameters.

Following is a list of the Options relevant to camera control features which you may wish to select or change. Disregard other options at this stage.

Relay Controllers
    If one or more TS0841 8 Way relay cards or TS0842 16 Way Open Collector cards are connected to The Challenger Panel to activate cameras, CCTV etc., the number of Relay Controllers must be entered here.

    This option does not apply to relay cards connected to DGPs etc. which are enabled with DIPswitches on the DGPs.

Financial Institution Options.
    To enable particular categories of users (User Categories 2 & 6) to disable the delayed holdup input types when they disarm their area/s, this option must be set to YES.

    This feature would be used for cleaners etc. who are likely to accidently activate the holdup buttons, kickbars etc. which are Access Alarm types.
    See AN16:   User Category Timers, for more information.

SYSTEM OPTIONS are programmed in Installer Menu Option 7: - System Options.

From the Install Menu select Option 7.

Use **<ENTER>** to scroll through the options.

Enter the number of Relay Controllers fitted.
    A value of 1 is entered for every 8 Relays.
    e.g.   3 x TS0841 = 3 Relay Controllers
            1 x TS0842 = 2 Relay Controllers.

Set to YES or NO as required
    Note that setting this option to YES will also increase the minimum PIN code length to 5 digits when programming users.

3.   Program any TEXT WORDS required for inputs, area names, etc. that are not already provided in the extensive word library.

Up to 100 custom words can be added to the library.

TEXT WORDS are programmed in Installer Menu Option 10: - Text Words.

From the Install Menu select Option 10.

Use **<*>** to scroll through the list of programmable words.
Select a word number to program or change.

4.   Specify the "Pre-Alarm Event Flag" number in the AREA DATABASE/S for the areas in the system where delayed input types are used.

The areas determine how the system is partitioned, and therefore provides the ability to limit users to performing functions only in the area/s relevant to their role.

AREA   DATABASE   PARAMETERS   are programmed in Installer Menu Option 2.

From the Install Menu select Option 2.

Select an Area number to program.

Scroll through the options to locate the "Pre-Alarm Event Flag" record.

AREA EVENT FLAGS can be programmed to provide an indication of a particular condition that exists in the area.

The <u>Pre Alarm Event Flag</u> is activated when a delayed holdup input that has the area assigned to it, is in alarm. The Event Flag is only activated for the delayed period.

The Pre-Alarm Event flag may be used to activate a relay to provide discreet visual indication via an LED to the user, that the delayed button is active.

Enter any event flag number between 17 & 256 as long as it is not used elsewhere in the system. For convenience you may wish to use the same number as the relay number that will activate the camera.

5.   Program the INPUTS.

The Delayed Holdup Inputs and Reset inputs can now be programmed.

Select an <u>INPUT NUMBER</u> from 1 to 256 to be programmed. The input number is determined by the physical location of the input. i.e. The address of the DGP that the input is connected to.

<u>INPUTS</u> are programmed in Installer Menu Option 1.

From the Install Menu select Option 1.

Enter the number of the input to be programmed.

PANEL	1-16	DGP 8	129-144
DGP 1	17-32	DGP 9	145-160
DGP 2	33-48	DGP 10	161-176
DGP 3	49-64	DGP 11	177-192
DGP 4	65-80	DGP 12	193-208
DGP 5	81-96	DGP 13	209-224
DGP 6	97-112	DGP 14	225-240
DGP 7	113-128	DGP 15	241-256

Program a suitably descriptive <u>INPUT NAME</u>, using words from the text word library (including any custom text words you have programmed) and numerical variables.

Enter text word number/s and numerical variables as required.
e.g.   Teller 3 Holdup Button
         Teller 5 Suspicion Holdup Button
         Enquiry Counter Kick bar
         Delayed Holdup Reset Keyswitch

Select an appropriate <u>INPUT TYPE</u> to suit the purpose of the input.
e.g.

Type 8:   Delayed Access Alarm/Holdup at Night
         (Holdup button)

Type 9:   Reset Delayed Inputs
         (Button for quick reset & to stop cameras)

Type 11: Delayed Access Alarm
         (Holdup button)

Type 22: Delayed Access Non-latching/Holdup at Night.
         (Holdup button)

Type 40: Suspicion & Delayed Holdup/Holdup at Night
         (Special combined suspicion/holdup butt)

See table on page 1 of this document for details.

Specify the Input Type number required.

AN14

If the Panel is going to report to the Remote Monitoring Station using the **Contact ID** format or **Tecom Direct Line** format, then it is necessary to program a <u>REPORT ID</u> for each input.

See Challenger Vers 8 Programming Guide for a complete list of Contact ID messages.

Enter the Report ID number required.
> It will only be necessary to change the default setting if the report ID "25-140, General Alarm" is not suitable.

To relate the input to particular area/s you must program the <u>AREA ASSIGNMENT.</u>
An input **must** have at least one area assigned.

If the input is programmed to activate cameras; only cameras in the area/s assigned to the input will be activated.

Enter the number/s of the Area/s to be assigned.
> Where there is more than one area assigned, the input is regarded as being in access if one or more of the areas assigned is disarmed, and in secure only if all the areas assigned are armed.

If you selected one of the Test Options when programming the System Options, or if the user wishes to use the Access Test option in the User Menu then you may need to program a <u>TEST TYPE</u> for certain inputs.

See: Challenger Version 8 Programming guide or AN2 for more details.

Enter the Test type required.

0   No testing required:
1   Test during access test:
     e.g. Holdup button
2   Test during secure test and when in access:
     e.g. PIRs, Doors.
3   Test during secure test:
     e.g. Any device which needs to be auto tested.
4   Set Event Flag 13 during Access test:
5   Set Pre-Alarm Event Flag during Access test:

If you require the input to activate the Siren, Strobe, or Camera outputs, or if you require the input to activate a relay etc. then it is necessary to assign the appropriate <u>EVENT FLAGS</u> to the input.

Set to YES or NO or Enter Event Flag numbers as required

Selected Event Flag

Siren (Event Flag no. assigned in Area D'base)

Camera (Event Flag no. assigned in Area D'base)

> Unique Event Flag number programmed to be activated by the input.

> Set to YES to enable the input to activate the Event flag number specified in the Area Database/s for the area/s assigned to the input.

Console Warning (No Event Flag number required)

> Set to YES to activate the console beepers

Secure Alarm Event Flags 2-5 & 9-12)
Access Alarm (Event Flag 6, 7 & 13)
24 Hr Alarm (Event Flag 8)

"Siren" and "Event 2 Secure Alarm" are typically set to YES to activate the Siren and Strobe output/s.

> If the input is to activate an event flag common to other inputs, one or more of these "Pre-defined" Event Flags are selected.

If you require all of the Event Flags assigned to the input to be active 24 Hours whenever the input is in alarm, then <u>MAKE ALL EVENTS 24 HOUR</u> must be set to YES.

Set to YES or NO as required

If you require an event to be recorded in history and printed (If printer connected) whenever the input unseals or reseals regardless of alarm condition, then the option <u>PRINT INPUT WHEN UNSEALED</u> must be set to YES.

Set to YES or NO as required

6.   Program the Delayed Holdup TIMER and Suspicion TIMER.

Program the relevant timers. Options not relevant to this application are not described here and should be disregarded at this stage.

Delayed Holdup Time (seconds)
        -The amount of time between a delayed input type being activated and the resulting alarm being reported to the remote monitoring company.

Suspicion Time (seconds)
        -Time that cameras continue to operate after a suspicion type input is resealed. (relevant to Input type 40)

TIMERS are programmed in Installer Menu Option 6.

From the Install Menu select Option 6.

Enter a time period as required

7.   Work out the "Relay Number/s" of relay/s required for this application in your system.
The relay numbers allocated for the panel and each DGP address are listed in the table opposite.

RELAY NUMBERING

Challenger Panel   1 to 255

DGP 1	17-32	DGP 9	145-160
DGP 2	33-48	DGP 10	161-176
DGP 3	49-64	DGP 11	177-192
DGP 4	65-80	DGP 12	193-208
DGP 5	81-96	DGP 13	209-224
DGP 6	97-112	DGP 14	225-240
DGP 7	113-128	DGP 15	241-255
DGP 8	129-144		

8.   To program the details for each of the relays in your system that will be used to activate "Pre-alarm" indications access the Installer Menu Option, "RELAY MAPPING"

Select a relay number to program.

Record the Pre-Alarm Event Flag number that was assigned in the area database that will activate the relay.   (if required)

Program the Timezone that will control the relay. (if required)

If a Timezone has been assigned, select whether the relay is to be held ACTIVE or INACTIVE during the timezone.

If the relay is required to operate in INVERTED mode.

RELAYS are programmed in Installer Menu Option 16: - Relay Mapping.

From the Install Menu select Option 16.

Enter the number of the relay to be programmed

Enter the Event Flag number

Enter a Timezone number if required

Select Active or Inactive

Select Inverted or Non-Inverted

AN14

SUGGESTED PROGRAMMING SEQUENCE

```
                    ┌─────────────────────────────┐
                    │ Determine the Holdup button │
                    │ requirements.               │
                    └─────────────────────────────┘

                    ┌─────────────────────────────┐
                    │ Program the relevant        │
                    │ System Options              │
                    └─────────────────────────────┘

                    ┌─────────────────────────────┐
   Text Words can   │ Program any                 │
   be added to the  │ Text Words required         │
   word library for └─────────────────────────────┘
   naming Areas, &
   Inputs           ┌─────────────────────────────┐
                    │ Program the                 │   Area/s must be
                    │ Area Database/s             │   assigned to Inputs
                    └─────────────────────────────┘

                    ┌─────────────────────────────┐
                    │ Program the                 │
                    │ Delayed Holdup Inputs       │
                    └─────────────────────────────┘

                    ┌─────────────────────────────┐
                    │ Program any                 │
                    │ Timers required             │
                    └─────────────────────────────┘
                                                       Pre-Alarm Event
                    ┌─────────────────────────────┐    flag/s may be used
                    │ Determine the numbers of any│    to activate relay/s
                    │ relays to be used.          │
                    └─────────────────────────────┘

                    ┌─────────────────────────────┐
                    │ Program Relays              │
                    └─────────────────────────────┘
```