

TAFS Advantages and Programming Brief



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TAFS Accuracy vs. AFS

- o AFS uses a single trigger which comes on to determine formula number
- o Many washers have variability in the length of the signal, even when programmed, especially at higher numbered formulas
- o This variability causes formula set errors in some cases, and the wrong chemical is dosed
- o TAFS relies on several triggers coming on, so trigger length variability won't cause the wrong formula number to be selected

TAFS Accuracy vs. Relay Mode

- o With relay mode, this variability in trigger length means the right chemical is dosed, but in the wrong amount
- o For example, using short triggers of 2 seconds to dose peroxide on an older tunnel, we've heard of instances where the trigger came in one second too long; this would increase peroxide usage 50% over the course of a year, and cause the laundry great consternation assuming they're tracking chemicals costs even roughly

TAFS Reduces Programming Time

- o Simply program which formula triggers to come on for the first part of the dosing cycle, and then the set formula and batch transfer trigger for each subsequent step, rather than a variety of triggers throughout the wash cycle
- o TAFS is faster to program than relay mode, especially non-volumetric relay mode on older dispensers, since with TAFS you just turn on the designated triggers for each formula and don't have to calculate trigger length to determine dose volume:

Formula	Formula Triggers	Set Formula Trigger	Batch Transfer Trigger
No chem	None	Fifth washer trigger connects to T7 input on TR8000	Fifth washer trigger connects to T8 input on TR8000
1	T1	Fifth washer trigger connects to T7 input on TR8000	Fifth washer trigger connects to T8 input on TR8000
2	T2	Fifth washer trigger connects to T7 input on TR8000	Fifth washer trigger connects to T8 input on TR8000
3	T1 + T2	Fifth washer trigger connects to T7 input on TR8000	Fifth washer trigger connects to T8 input on TR8000
4	T3	Fifth washer trigger connects to T7 input on TR8000	Fifth washer trigger connects to T8 input on TR8000
5	T1 + T3	Fifth washer trigger connects to T7 input on TR8000	Fifth washer trigger connects to T8 input on TR8000
6	T2 + T3	Fifth washer trigger connects to T7 input on TR8000	Fifth washer trigger connects to T8 input on TR8000
7	T1 + T2 + T3	Fifth washer trigger connects to T7 input on TR8000	Fifth washer trigger connects to T8 input on TR8000
8	T4	Fifth washer trigger connects to T7 input on TR8000	Fifth washer trigger connects to T8 input on TR8000
9	T1 + T4	Fifth washer trigger connects to T7 input on TR8000	Fifth washer trigger connects to T8 input on TR8000
10	T2 + T4	Fifth washer trigger connects to T7 input on TR8000	Fifth washer trigger connects to T8 input on TR8000
11	T1 + T2 + T4	Fifth washer trigger connects to T7 input on TR8000	Fifth washer trigger connects to T8 input on TR8000
12	T3 + T4	Fifth washer trigger connects to T7 input on TR8000	Fifth washer trigger connects to T8 input on TR8000
13	T1 + T3 + T4	Fifth washer trigger connects to T7 input on TR8000	Fifth washer trigger connects to T8 input on TR8000
14	T2 + T3 + T4	Fifth washer trigger connects to T7 input on TR8000	Fifth washer trigger connects to T8 input on TR8000
15	T1 + T2 + T3 + T4	Fifth washer trigger connects to T7 input on TR8000	Fifth washer trigger connects to T8 input on TR8000

For each formula, program the formula triggers required to come on from the washer for five seconds after the formula starts

Program the set formula trigger to come on for 5 seconds, five seconds after the formula triggers required shut off

NOTE: The set formula trigger must come on within 10 seconds of the last formula trigger, or no chemical will be dosed

NOTE: The formula triggers must all occur more or less simultaneously. If there's a 10 second gap in between them, the wrong formula number will be set

NOTE: Batch transfer and set formula trigger can be the same

NOTE: TAFS doesn't log formulas as complete, so you shouldn't use the data PCB to log data in this mode

NOTE: TAFS MODE REQUIRES THE TR8000 AND WON'T WORK WITH THE STANDARD INTERNAL TRIGGER MODULE, THE TR6000

Assign pumps that will dose into wash cycle to module 1

Assign pumps that will dose into the rinse cycle to module 2

Program the washer to turn on formula triggers for five seconds during beginning of wash cycle

Program washer 5th output to come on for five seconds, 5 seconds after formula triggers are off (on 10 seconds after start wash cycle)

Program washer 5th output to come on for five seconds once rinse cycle begins