

Running signal operation

Description

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Running signal operation

Controlled signals

Controlled signals, other than distant signals, can be set and kept at **STOP**.

Controlled signals are operated by:

- signalling equipment controlled by Signallers, or
- a combination of track-circuits, or axle counters, and signalling equipment controlled by Signallers.

Controlled signals can display a **PROCEED** indication only if:

- points in the route are in the correct position
- there are no conflicting routes set
- in Rail Vehicle Detection territory, the block ahead is unoccupied.

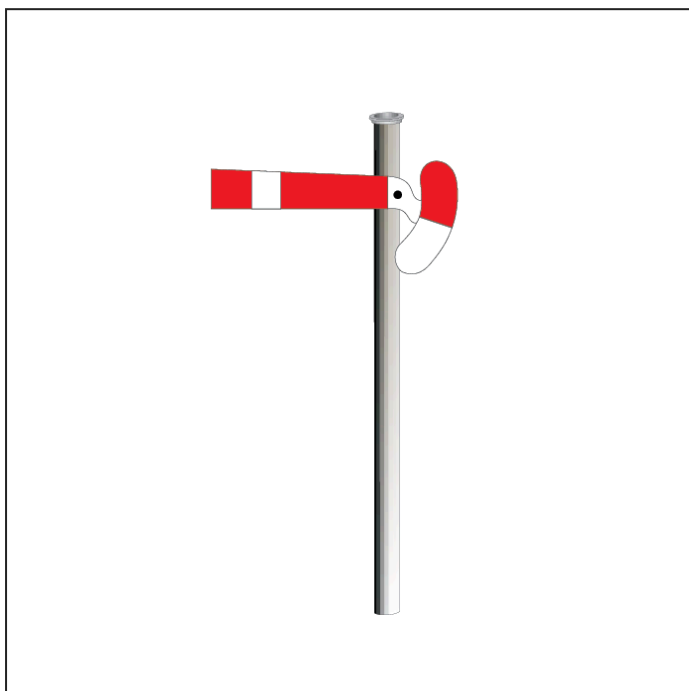
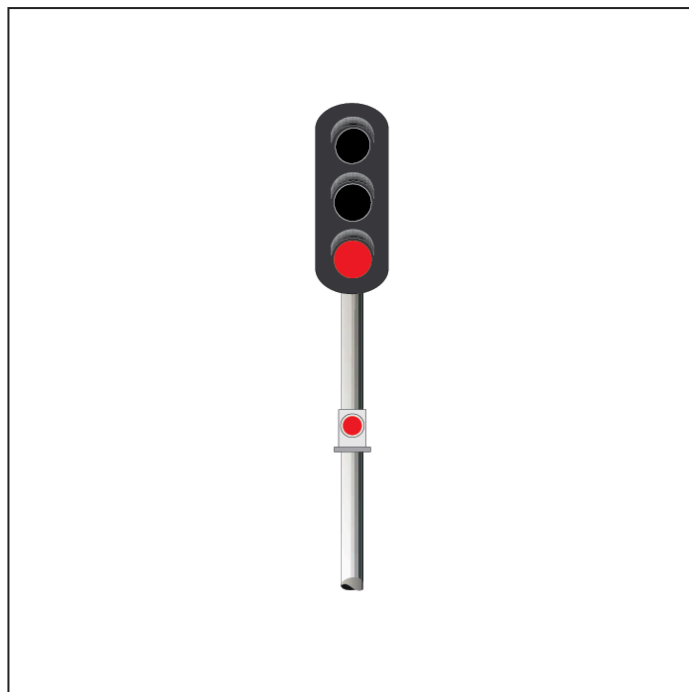
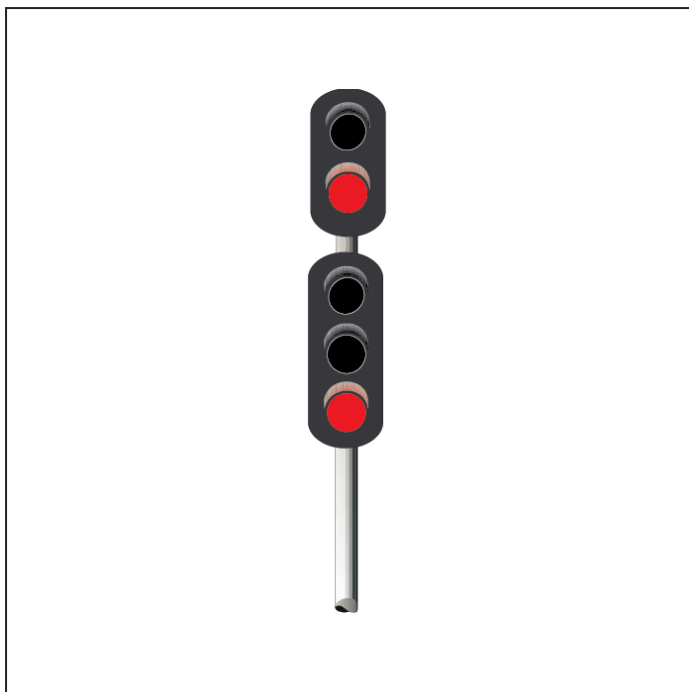
Controlled signals at attended locations are absolute signals.

Type	Controlled operation status identified by
Double light colour light signal	Vertical lights. If an A sign or illuminated A light is on or near the signal, the operation mode is automatic.
Single light colour light signal	Marker light vertically below main signal lights. If an A sign or illuminated A light is on or near the signal, the operation mode is automatic.
Lower quadrant semaphore signal	Lower quadrant signals are controlled signals.

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FIGURE 2: Controlled signals.



Automatic signals

Automatic signals are controlled exclusively by the operation of track-circuits.

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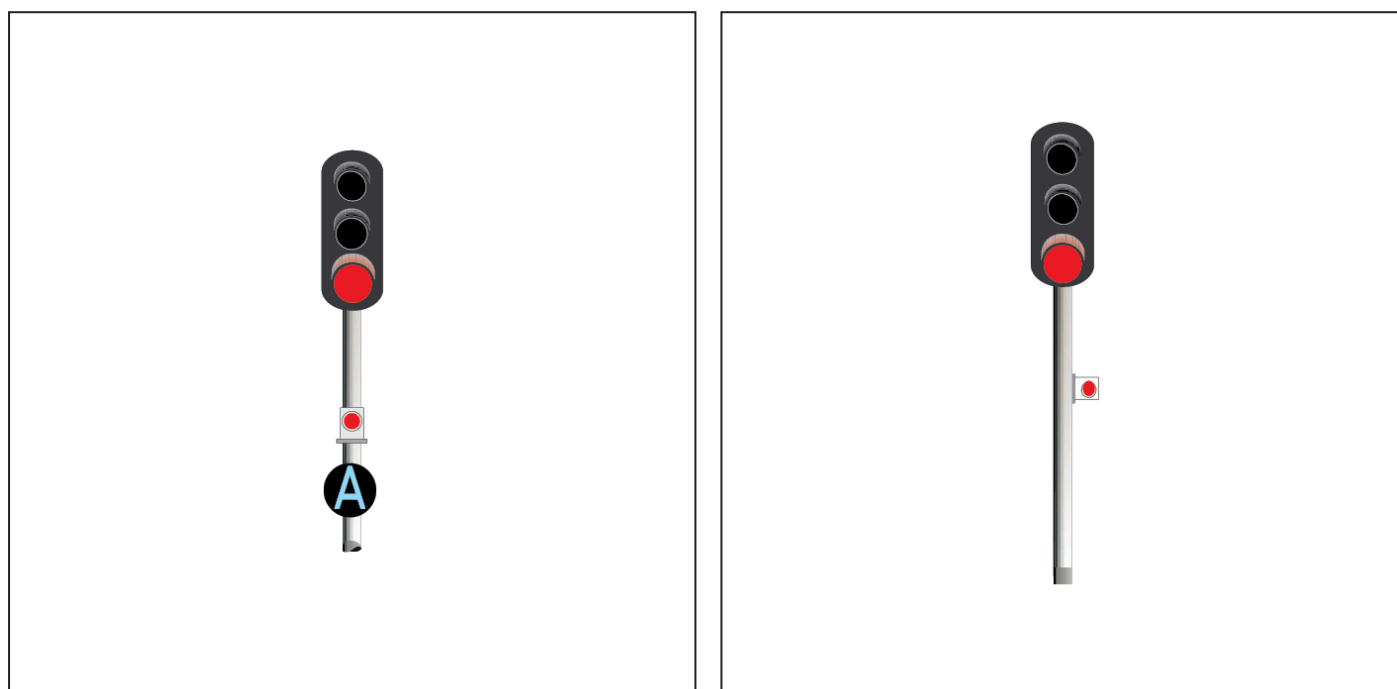
An automatic signal displays a **PROCEED** indication only if the line is unoccupied as far as the overlap point beyond the next signal.

Automatic signals are permissive signals. They can become absolute signals if they:

- are so designated by an instruction sign, or
- are interlocked with trackside monitoring equipment that sets them at **STOP**, or
- can be switched between automatic and controlled operation.

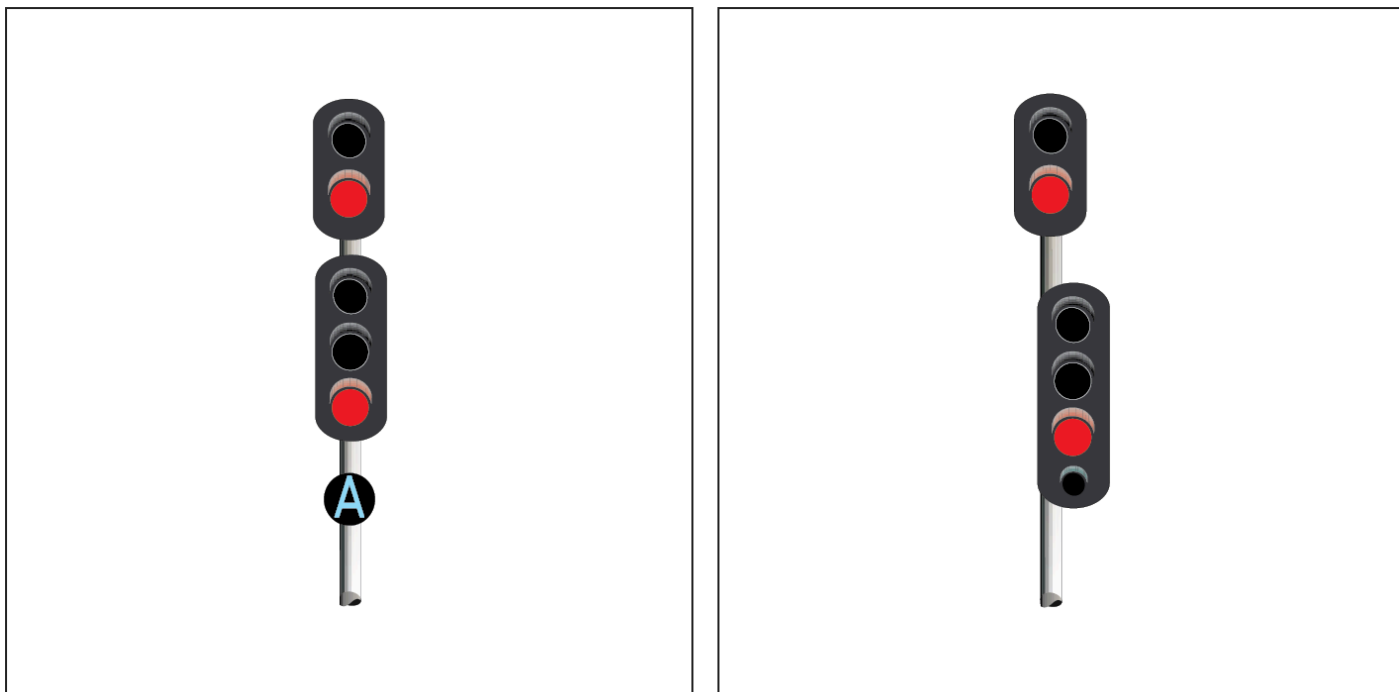
Type	Automatic operation status identified by
Double light colour light signal	Staggered lights, or vertical lights with an A sign or illuminated A light on or near the signal.
Single light colour light signal	Marker light staggered below main signal lights; marker light vertically below main signal lights with an A sign or illuminated A light on or near the signal.
Lower quadrant semaphore signal	There are no lower quadrant automatic signals.

FIGURE 3: Automatic signals.



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A lights and A signs

In Rail Vehicle Detection territory only, some signals may be fitted with an A light or an A sign.

An A light can be fitted:

- on the post below a signal, or
- on or near a tunnel-type signal.

If an A light is not lit, the signal is a controlled signal.

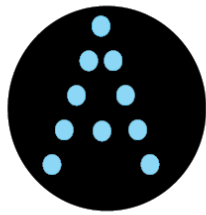
If the A light is lit, or the signal has an A sign on or near the signal, the signal:

- operates automatically
- is designated as an automatic signal.

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FIGURE 4: Three types of A light.



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FIGURE 5: Example of an A sign.

