

## G08C

**TRANSMISSION SYSTEMS FOR MEASURED VALUES, CONTROL OR SIMILAR SIGNALS** (fluid pressure transmission systems [F15B](#); sensing members for specific physical variables, see the relevant subclasses, e.g. of [G01](#) or [H01](#); indicators or recorders, see the relevant subclasses, e.g. [G01D](#), [G09F](#); mechanical means for transferring the output of a sensing member [G01D 5/00](#); means for converting the output of the sensing member into a different variable [G01D 5/00](#); self-balancing bridges [G01R](#); position control in general [G05D 3/00](#); mechanical control systems [G05G](#); systems for transmitting "on/off" signals only, systems for transmitting alarm conditions [G08B](#); order telegraph systems [G08B 9/00](#); generating electric pulses [H03K](#); coding, decoding or code conversion [H03M](#); transmission of digital information [H04L](#); selective calling from one station to another [H04Q 9/00](#))

### Definition statement

*This place covers:*

This group covers mainly systems for the transmission of control signals for remotely controlling devices.

### References

#### Limiting references

*This place does not cover:*

Fluid pressure transmission system	<a href="#">F15B</a>
Mechanical means for transferring the output of a sensing member into a different variable	<a href="#">G01D 5/00</a>
Mechanical control systems	<a href="#">G05G</a>
Transmission systems of measured/sensed values (telemetry, remote monitoring)	<a href="#">H04Q 9/00</a>

#### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Remote-control arrangements specially adapted for toys	<a href="#">A63H 30/00</a>
Input arrangements for transferring data to be processed into a form capable of being handled by the computer	<a href="#">G06F 3/00</a>
Electronic locks operated with unidirectional data transmission between data carriers and locks.	<a href="#">G07C 9/00182</a>
Electronic locks operated with bidirectional data transmission between data carriers and locks	<a href="#">G07C 9/00309</a>
Handheld casings, especially adapted for remote control	<a href="#">H01H 9/0235</a>
Details of transmission systems, by remote contro	<a href="#">H04B 1/202</a>
Transmission systems employing electromagnetic waves other than radio waves, e.g. light, infra-red	<a href="#">H04B 10/00</a>
Arrangements for remote connection or disconnection of substations or of equipment thereof	<a href="#">H04L 12/12</a>

Home automation networks	<a href="#">H04L 12/2803</a>
Controlling appliance services of a home automation network by calling their functionalities	<a href="#">H04L 12/2816</a>
Reporting information sensed by appliance or service execution status of appliance services in a home automation network	<a href="#">H04L 12/2823</a>
Telephone substation equipment for remote control of appliances	<a href="#">H04M 1/72533</a>
Details of television systems, whereby additional information being controlled by a remote control apparatus	<a href="#">H04N 5/44582</a>
Power saving techniques per se	<a href="#">H04W 52/02</a>
Circuit arrangements for electric light sources in general, linked via wireless transmission	<a href="#">H05B 37/0272</a>

## G08C 13/00

Arrangements for influencing the relationship between signals at input and output, e.g. differentiating, delaying, (transferring the output of a sensing member to an indicating or recording part not yielding momentary value [G01D 1/00](#); systems for control of position involving comparison between actual and desired values [G05D 3/00](#); computing [G06](#))

### References

#### Informative references

Attention is drawn to the following places, which may be of interest for search:

Transferring the output of a sensing member to an indicating or recording part not yielding momentary value	<a href="#">G01D 1/00</a>
Systems for control of position involving comparison between actual and desired values	<a href="#">G05D 3/00</a>

## G08C 15/00

Arrangements characterised by the use of multiplexing for the transmission of a plurality of signals over a common path (multiplex transmission in general [H04J](#))

### References

#### Informative references

Attention is drawn to the following places, which may be of interest for search:

Multiplex transmission in general	<a href="#">H04J</a>
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## G08C 17/00

### Arrangements for transmitting signals characterised by the use of a wireless electrical link

#### Definition statement

*This place covers:*

This group covers mainly systems for transmitting control signals via a wireless link, without specifying what kind of wireless link (IR, radio, ultrasonic, etc.) is being used.

#### Special rules of classification

The following features should be allocated the CPC codes for additional information below:

<a href="#">G08C 2201/00</a>	Transmission systems of control signals via wireless link
<a href="#">G08C 2201/10</a>	Power supply of remote control devices
<a href="#">G08C 2201/11</a>	Energy harvesting
<a href="#">G08C 2201/112</a>	Mechanical energy (vibration, piezoelectric)
<a href="#">G08C 2201/114</a>	Solar power
<a href="#">G08C 2201/12</a>	Power saving techniques of remote control/controlled devices
<a href="#">G08C 2201/20</a>	Binding and programming of remote control devices
<a href="#">G08C 2201/21</a>	Programming remote control devices via third means
<a href="#">G08C 2201/30</a>	User interface
<a href="#">G08C 2201/31</a>	Voice input
<a href="#">G08C 2201/32</a>	Remote control based on movements, attitude of remote control device
<a href="#">G08C 2201/33</a>	Remote control using macros, scripts
<a href="#">G08C 2201/34</a>	Context aware guidance
<a href="#">G08C 2201/40</a>	Remote control systems using repeaters, converters, gateways
<a href="#">G08C 2201/41</a>	Remote control of gateways
<a href="#">G08C 2201/42</a>	Transmitting/receiving remote control signals via a network
<a href="#">G08C 2201/50</a>	Receiving/transmitting feedback (replies, status updates, acknowledgements) from the controlled devices
<a href="#">G08C 2201/51</a>	Remote controlling of devices based on replies, status thereof, whereby the remote control device and the controlled device communicate via short range communication means
<a href="#">G08C 2201/60</a>	Security, fault tolerance
<a href="#">G08C 2201/61</a>	Password, biometric
<a href="#">G08C 2201/62</a>	Rolling code
<a href="#">G08C 2201/63</a>	Redundant transmissions
<a href="#">G08C 2201/70</a>	Device selection
<a href="#">G08C 2201/71</a>	Directional beams
<a href="#">G08C 2201/90</a>	Additional features
<a href="#">G08C 2201/91</a>	Remote control based on location and proximity
<a href="#">G08C 2201/92</a>	Universal remote control

<a href="#">G08C 2201/93</a>	Remote control using other portable devices (mobile phone, PDA, laptop)
<a href="#">G08C 2201/94</a>	Smart cards

## G08C 19/00

Electric signal transmission systems ([G08C 17/00](#) takes precedence)

### Definition statement

*This place covers:*

This group covers mainly systems for transmitting signals via wires/cables.

## G08C 19/28

using pulse code

### Definition statement

*This place covers:*

This group covers wireless control systems in which the remote control device or the controlled device is learning/teaching the code libraries/code sets.

## G08C 19/36

using optical means to convert the input signal (analogue/digital converters per se [H03M 1/00](#); {optical analogue digital converters [G02F 7/00](#); contains no documents, see [G01D 5/26](#)})

### References

#### Limiting references

*This place does not cover:*

Optical analog/digital converter	<a href="#">G02F 7/00</a> , <a href="#">G01D 5/26</a>
Analogue/digital converters	<a href="#">H03M 1/00</a>

## G08C 19/38

using dynamo-electric devices (operated by pulses [G08C 19/20](#); dynamo-electric machines per se [H02K](#))

### References

#### Limiting references

*This place does not cover:*

Operated by pulses	<a href="#">G08C 19/20</a>
Dynamo-electric machines	<a href="#">H02K</a>

**G08C 21/00**

**Systems for transmitting the position of an object with respect to a predetermined reference system, e.g. tele-autographic system (converting the pattern of mechanical parameters, e.g. force or presence, into electrical signals [G06K 11/00](#))**

**References****Limiting references**

*This place does not cover:*

Converting the pattern of mechanical parameters, e.g. force or presence, into electrical signals	<a href="#">G06K 11/00</a>
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**G08C 23/00**

**Non-electrical signal transmission systems, e.g. optical systems**

**Definition statement**

*This place covers:*

Non-electrical signal transmission systems for transmitting control signals.

**G08C 23/02**

**using infrasonic, sonic or ultrasonic waves**

**Definition statement**

*This place covers:*

This group covers non-electrical control signal transmission systems using infrasonic, sonic or ultrasonic waves

**G08C 23/04**

**using light waves, e.g. infra-red**

**Definition statement**

*This place covers:*

This group covers systems for transmitting control signals via light waves, infra-red.

**References****Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Transmission systems employing electromagnetic waves other than radio waves, e.g. light, infra-red	<a href="#">H04B 10/00</a>
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